



PRODUCT TDS BROCHURE 2023





CRONOS 0W-20 SN/CF

New Generation Fully Synthetic Engine Oil Technology

DESCRIPTION

CRONOS 0W-20 is a fully synthetic high performance engine oil that has been formulated to satisfy the specifications of manufacturers like Toyota, Nissan and Honda. It provides long oil change periods, superior protection and fuel saving characteristics for high performance engines.

ADVANTAGES

- Reduces the friction in the engine with high quality lubrication performance to increase the power of engine and protection, which is particularly important for modern engines.
- Provides fuel saving besides high protection.
- Meets the standards of engine manufacturers.
- New generation fully synthetic oil technology provides better performance when compared with mineral based oils.
- Having high fluidity gives it perfect cooling property.
- Shows unique performance at long oil change periods.
- Helps to improve the durability characteristics of high engine performance.

APPROVALS AND SPECIFICATIONS

- API SN/RC
- ILSAC GF-5
- GM DEXOS I
- GMW 16076-16182

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 0W-20

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0.8510
Viscosity, 40 °C	cSt	ASTM D 445	45,40
Viscosity, 100 °C	cSt	ASTM D 445	8,90
Viscosity Index	-	ASTM D 2270	181
Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	226
TBN	mg KOH/g	ASTM D 2896	8,0

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 4 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS 0W-20 SN/CF is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS F 0W-30 SN/CF

New Generation High Performance Engine Oil Technology

PRODUCT DESCRIPTION

CRONOS F 0W-30 is a high performance, fully synthetic engine oil that has been especially improved to meet specifications of important engine manufacturers like Ford. It has high performance characteristic that provides long oil change periods. It is also compatible with Ford vehicles having DPF systems.

ADVANTAGES

- Decreases oil consumption with low volatility property and helps to reduce hydrocarbon pollution.
- Under cold climate conditions, it reduces first start wear and provides fuel saving.
- At low temperatures, it reduces wear formation, extends engine lifetime and provides engine cleaning with high performance oil technology.
- Meets the standards of modern engine manufacturers.

APPROVALS AND SPECIFICATIONS

- API SN/SL/CF
- ACEA A3/B3
- MB 229.1
- MB 229.5
- Renault RN 0700
- Ford WSS M2C913-D
- ACEA A5/B5
- ACEA A3/B4
- MB 229.3
- VW 505.00-501.01-502.00
- Renault RN 0710

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 0W-30

Test	Unit	Test Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,8468
Viscosity, 40°C	cSt	ASTM D 445	52,10
Viscosity, 100°C	cSt	ASTM D 445	10,00
Viscosity Index	-	ASTM D 2270	183
Pour Point	°C	ASTM D 97	-36
Flash Point	°C	ASTM D 92	210
TBN	mg KOH/g	ASTM D 2896	10.1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 11 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS F 0W-30 SN/CF is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS LA 0W-30

New Generation Fully Synthetic Engine Oil Technology

DESCRIPTION

CRONOS LA 0W-30 is a fully synthetic high performance engine oil that has been formulated to satisfy the specifications of manufacturers like Mercedes Benz, BMW and VW. It provides long oil drain periods, superior protection and fuel saving characteristics for high performance engines.

ADVANTAGES

- Increases the power of engine and protection, by reducing the friction in the engine with high quality lubrication performance, which is particularly important for modern engines.
- Provides fuel saving besides high protection.
- Meets the standards of engine manufacturers
- Thanks to new generation oil technology, it provides better performance when compared with mineral based oils.
- Having high fluidity provides perfect cooling property.
- Shows unique performance with the help of long oil change periods.
- Provides incomparable protection to maintain high engine performance.

APPROVALS AND SPECIFICATIONS

- API SN/GF-5
- ACEA C2/C3-12
- MB 229.51 MB 229.52
- MB 229.31
- Dexos 2® (dexos 2 is a registered trademark of GM)
- VW 502.00, 505.01
- VW 504.00
- BMW LL04
- Porsche C30
- JASO DL-1



CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 0W-30

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8428
Viscosity, 40 °C	cSt	ASTM D 445	53,46
Viscosity, 100 °C	cSt	ASTM D 445	9,84
Viscosity Index		ASTM D 2270	173
Pour Point	°C	ASTM D 97	-42
Flash Point	°C	ASTM D 92	218
TBN	mg KOH/g	ASTM D 2896	7,2

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 1 L
- 4 L
- 5 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS LA 0W-30 is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS 5W-30 SL/CF

New Generation High Performance Engine Oil Technology

PRODUCT DESCRIPTION

CRONOS 5W-30 is a synthetic engine oil that has been formulated with an excellent combination of synthetic base oils and special additives. It provides unique performance at all kinds of climate and road conditions, especially in inner city and frequent driving.

ADVANTAGES

- Decreases friction inside the engine with the high lubrication property to increase and protect the power of the engine.
- Provides long maintenance periods with its unique resistance to oxidation.
- Provides protection on engine parts with unique features at hard conditions that reach high temperatures.
- Provides superior performance compared to regular oils due to its high performance oil technology.

APPROVALS AND SPECIFICATIONS

- API SL/CF/CF-4

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 5W-30

Test	Unit	Test Method	Ideal Values
Density, 15°C	g/cm ³	ASTM D 4052	0.8506
Viscosity, 40°C	cSt	ASTM D 445	55,73
Viscosity, 100°C	cSt	ASTM D 445	10,02
Viscosity Index	-	ASTM D 2270	169
Pour Point	°C	ASTM D 97	-42
Flash Point	°C	ASTM D 92	210
TBN	mg KOH/g	ASTM D 2896	7,7

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 4 L
- 5 L
- 7 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS 5W-30 SL/CF is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS F 5W-30 SN/CF

New Generation High Performance Engine Oil Technology

PRODUCT DESCRIPTION

CRONOS F 5W-30 is a high performance, fully synthetic engine oil that has been especially improved to meet specifications of important engine manufacturers like Ford. It has high performance characteristic that provides long oil change periods. It is also compatible with Ford vehicles having DPF systems.

ADVANTAGES

- Decreases oil consumption with low volatility property and helps to reduce hydrocarbon pollution.
- Under cold climate conditions, it reduces first start wear and provides fuel saving.
- At low temperatures, it reduces wear formation, extends engine lifetime and provides engine cleaning with high performance oil technology.
- Meets the standards of modern engine manufacturers.

APPROVALS AND SPECIFICATIONS

- API SL/CF
- ACEA A1/B1-12
- BMW Long Life 01
- VW 502.00/505.00
- Renault RN 0700- 0710
- ACEA A5/B5-12
- ACEA A3/B4
- MB 226.5-229.3-229.5
- Ford WSS-M2C913-C / WSS M2C913-D
- Jaguar Land Rover STJLR.03.5003

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 5W-30

Test	Unit	Test Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,8516
Viscosity, 40°C	cSt	ASTM D 445	56,38
Viscosity, 100°C	cSt	ASTM D 445	10,06
Viscosity Index	-	ASTM D 2270	199
Pour Point	°C	ASTM D 97	-36
Flash Point	°C	ASTM D 92	210
TBN	mg KOH/g	ASTM D 2896	10,1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 4 L
- 7 L
- 10,5 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS F 5W-30 SN/CF is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS LA 5W-30

New Generation High Performance Engine Oil Technology

PRODUCT DESCRIPTION

CRONOS LA 5W-30 is a fully synthetic high performance engine oil that has been formulated to satisfy the specifications of manufacturers like VW, BMW and Mercedes Benz. It has been improved to provide unproblematic and long standing engine performance with extended oil change periods. Ensures superior protection with the special formulation.

ADVANTAGES

- Increases the power of engine and protection, by reducing the friction in the engine with high quality lubrication performance, which is particularly important for modern engines.
- Provides unique and outstanding durability during long oil change periods.
- Meets the standards of engine manufacturers.
- Provides protection on engine parts with unique features at hard conditions that reaches high temperatures.
- Thanks to new generation oil technology, it provides better performance compared to mineral based oils.

APPROVALS AND SPECIFICATIONS

- API SN/GF-5
- ACEA C2/C3
- MB 229.51 MB 229.52
- MB 229.31
- Dexos 2® (dexos 2 is a registered trademark of GM)
- VW 502.00, 505.01
- VW 504.00, 507.00
- BMW LL04
- Porche C30
- JASO DL-1

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 5W-30

Test	Unit	Test Method	Typical Values
Density, 15° C	g/cm ³	ASTM D 4052	0,8643
Viscosity, 40° C	cSt	ASTM D 445	53,13
Viscosity, 100° C	cSt	ASTM D 445	10,14
Viscosity Index	-	ASTM D 2270	173
Pour Point	°C	ASTM D 97	-39



Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	7,1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 1 L,
- 3,2 L
- 4 L,
- 5 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS LA 5W-30 is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS RN LA 720 5W-30

New Generation High Performance Synthetic Engine Oil Technology

PRODUCT DESCRIPTION

CRONOS RN LA 720 5W-30 is developed for new generation diesel particulate filter vehicles. New generation, high performance, fully synthetic oil technology that has been produced to satisfy the specifications of manufacturers like Renault and Mercedes Benz. It has been improved to provide unproblematic and long standing engine performance with extended oil change periods.

ADVANTAGES

- Thanks to new generation high performance oil technology, it shows better performance compared to similar diesel particulate engine oils.
- Decreases friction inside engine with the high lubrication property, which is a necessity for modern engines, to increase and protect the power of engine.
- Contains low ash amount and produced with additives that do not leave residue.
- Provides fuel economy.

APPROVALS AND SPECIFICATIONS

- ACEA C4-10
- Renault RN 0720
- MB 226.51/229.5

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 5W-30

Test	Unit	Test Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,8497
Viscosity, 40°C	cSt	ASTM D 445	69,01
Viscosity, 100°C	cSt	ASTM D 445	11,69
Viscosity Index	-	ASTM D 2270	165
Pour Point	°C	ASTM D 97	-36
Flash Point	°C	ASTM D 92	228
TBN	mg KOH/g	ASTM D 2896	6,7

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 5 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS RN LA 720 5W-30 is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS SUPREME C 5W-30 SN+/RC

Fully Synthetic Engine Oil

PRODUCT DESCRIPTION

Cronos Supreme C 5W-30; It is a fully synthetic product, produced with the new generation high performance oil technology, suitable for all vehicle brands that require ACEA C2 and C3 performance levels. It was developed to help extend the life and maintain the efficiency of exhaust emission systems in diesel and gasoline cars. It has been specially developed to provide trouble-free and long-term engine performance with extended oil change intervals.

ADVANTAGES

- Its high lubricity feature, which is especially necessary for modern engines, protects engine performance by reducing internal friction.
- It protects the environment by contributing to the production of low emissions.
- It has an improved formulation for fuel saving.
- Provides fast protection at cold start-up.
- Helps to reduce particle accumulation in diesel particulate filters.

APPROVALS AND SPECIFICATIONS

- API SN+/RC
- ILSAC GF-5
- ACEA C2/C3
- MB 229.51 MB 229.52
- MB 229.31
- Dexos 2® (dexos 2 is a registered trademark of GM)
- VW 502.00, 505.01
- VW 504.00, 507.00
- BMW LL04
- Porche C30
- JASO DL-1

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 5W-30

Test	Unit	Test Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,841
Viscosity, 40°C	cSt	ASTM D 445	70,03
Viscosity, 100°C	cSt	ASTM D 445	12,34
Viscosity Index	-	ASTM D 2270	179
Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	7,5

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 1 L
- 4 L
- 5 L
- 7 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information Cronos Supreme C 5W-30 SN+/RC is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS 5W-40 SL/CF

New Generation High Performance Engine Oil Technology

PRODUCT DESCRIPTION

CRONOS 5W-40 is engine oil that has been formulated with an excellent combination of synthetic base oils and special additives. It provides unique performance at in inner city and frequent driving conditions. In addition to all engines recommended for SAE 5W-40 oil use, it is also recommended to be used in multi-jet engines due to its special formulation.

ADVANTAGES

- Provides unique protection and engine performance at any kind of climate and road conditions because of its synthetic technology.
- Prevents wear depending on friction, by the oil film layer that forms on surfaces all the time, especially the first moment engines start when modern engines need for lubrication most.
- Extends oil change periods with unique oxidation resistance.
- Affects fuel economy positively due to its high lubricating and engine cleaning performance.
- Maintains formed film layer on surfaces at every temperature and condition by the help of high thermal stability due to viscosity index improver additives

APPROVALS AND SPECIFICATIONS

- API SL/CF/CF-4

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 5W-40

Test	Unit	Test Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,8504
Viscosity, 40°C	cSt	ASTM D 445	79,01
Viscosity, 100°C	cSt	ASTM D 445	13,70
Viscosity Index	-	ASTM D 2270	179
Pour Point	°C	ASTM D 97	-42
Flash Point	°C	ASTM D 92	216
TBN	mg KOH/g	ASTM D 2896	7,5

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 4 L
- 5 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS 5W-40 SL/CF is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS 10W-40 SJ/CF

Semi-Synthetic Gasoline Engine Oil

PRODUCT DESCRIPTION

CRONOS 10W-40 is a semi-synthetic engine oil that has been formulated with synthetic base oils and high performance additives. It can be used safely in 2 and 4-stroke gasoline engines and also in diesel engines if recommended. It provides economy due to its thermal stability and smooth engine performance.

ADVANTAGES

- Provides unique engine protection in all kinds of climate and conditions by the help of its synthetic oil technology.
- Prevents wear depending on friction, by the oil film layer that forms on surfaces even at the very first moments of engine start.
- Prevents overheating and resists oxidation perfectly.
- Protects against corrosion with its film layer at all temperatures by means of added viscosity index improvers.

APPROVALS AND SPECIFICATIONS

- API SJ /CF

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0.8702
Viscosity, 40 °C	cSt	ASTM D 445	88.74
Viscosity, 100 °C	cSt	ASTM D 445	13.59
Viscosity Index		ASTM D 2270	156
Pour Point	°C	ASTM D 97	-30
Flash Point	°C	ASTM D 92	218
TBN	mg KOH/g	ASTM D 2896	8,0

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 4 L
- 5 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS 10W-40 SJ/CF is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS PREMIUM 10W-40 SN/CF

High Performance Synthetic Gasoline Engine Oil

PRODUCT DESCRIPTION

CRONOS PREMIUM 10W-40 is a gasoline engine oil that has been formulated with high technology synthetic base oils and high performance special additives. Thanks to synthetic base oil formulation, it provides superior performance in any kinds of climate and road conditions compared to mineral based engine oils.

ADVANTAGES

- Prevents wear depending on friction, by the oil film layer that forms on surfaces even at the very first moments of engine start.
- Protects engine from wears that caused by high temperatures and challenging conditions.
- Contains modern additive combinations that provide effective cleaning and prevent power loss of engines.
- Extends maintenance periods due to its full synthetic formulation and oxidation resistance.
- Provides continuity of engine power by decreasing friction between engine parts that cause power loss.

APPROVALS AND SPECIFICATIONS

- API SN/CF/CF-2
- ILSAC GF-5
- BMW LL-O/M54, LL04
- GM 4718M, GM 6094M
- MIL-L-2104B/ MIL-L-46152
- PSA B 71 2300
- Volkswagen VW 502.00, 503.00, 505.00, 505.01, 506.00
- ACEA C3,C2
- Daimler Chrysler MS 6395K
- Mercedes Benz MB 229.1, 229.31, 229.5
- Renault RN 0700/0710

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8709
Viscosity, 40 °C	cSt	ASTM D 445	88,15
Viscosity, 100 °C	cSt	ASTM D 445	13,33
Viscosity Index	-	ASTM D 2270	150



Pour Point	°C	ASTM D 97	-30
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	6,0

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 1 L
- 4 L
- 5 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS PREMIUM 10W-40 SN/CF is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS 15W-40 SL/CF

Long Life and Economical Protection in Gasoline Engines

PRODUCT DESCRIPTION

CRONOS 15W-40 has been formulated with high quality base oils and special additives. It can be used in diesel engines of light commercial vehicles and automobiles in addition to all kinds of gasoline engines. It provides superior performance in hard climate and road conditions.

ADVANTAGES

- Prevents residue formation with dispersing and detergent additive content.
- Provides excellent engine cleaning even under hard conditions and shows perfect oxidation resistance.
- Effective protection to wear, corrosion and foam formation with special additive combinations.
- Prevents overheating caused by frequent use.
- Protects against corrosion with its film layer at all temperatures by means of added viscosity index improvers.

APPROVALS AND SPECIFICATIONS

- API SL/CF/CF4

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 15W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8844
Viscosity, 40 °C	cSt	ASTM D 445	109,5
Viscosity, 100 °C	cSt	ASTM D 445	14,82
Viscosity Index	-	ASTM D 2270	137
Pour Point	°C	ASTM D 97	-30
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	8,3

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results



ADDITIONAL INFORMATION

Package

- 1 L
- 4 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS 15W-40 SL/CF is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



CRONOS 20W-50 SL/CF

Mineral Based Gasoline Engine Oil

PRODUCT DESCRIPTION

CRONOS 20W-50 is a multi-grade gasoline engine oil that has been formulated with high quality mineral base oil and special additives. It can be used in diesel engines of light commercial vehicles and automobiles besides gasoline engines. It provides superior performance in all kinds of climate and road conditions.

ADVANTAGES

- Prevents residue formation with dispersing and detergent additive content.
- Provides excellent engine cleaning even under hard conditions and shows perfect oxidation resistance.
- Effective protection to wear, corrosion and foam formation with special additive combinations.
- Prevents overheating caused by frequent use.
- Protects against corrosion with its film layer at all temperatures by means of added viscosity index improvers.

APPROVALS AND SPECIFICATIONS

- API SL/CF/CF4

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 20W-50

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0.8836
Viscosity, 40 °C	cSt	ASTM D 445	172,1
Viscosity, 100 °C	cSt	ASTM D 445	19,63
Viscosity Index	-	ASTM D 2270	131
Pour Point	°C	ASTM D 97	-24
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	7,6

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 3 L
- 4 L
- 5 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information CRONOS 20W-50 SL/CF is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT LE 5W-30 CJ-4/SN

Fully Synthetic Superior Performance Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT LE 5W-30 is a fully synthetic, high performance heavy duty diesel engine oil developed for use in new generation engines. Thanks to its high technology synthetic formulation, it has excellent and sustainable performance that meets all requirements of EURO 6, 5 and 4.

ADVANTAGES

- Compatible with emission systems and diesel particle filters and is designed to maximize the performance of low sulfur diesel fuels.
- The wear prevention feature, the most important requirements for modern engines, reduces piston friction, protects the particle filter and extends the service life of the engine.
- Provides less oil consumption and minimizes maintenance costs due to longer oil change intervals.
- Meets the advanced standards of original equipment manufacturers with high performance.
- Can be used in heavy duty diesel engines operating under difficult conditions such as transport, mining, agriculture and construction.
- Improves the performance of the emission system by protecting the exhaust emission systems.

APPROVALS AND SPECIFICATIONS

- API CJ-4/SN
- ACEA E9-12, ACEA E7-12, ACEA E6-12
- MB 228.51, 228.31
- MAN M 3477, M 3271-1, M 3677
- MTU Type 3.1
- Volvo VDS-4, Volvo VDS-3
- Renault Truck RGD, Renault Truck RXD, Renault Truck RLD/RLD-2/RLD-3
- Mack EO-M Plus, Mack EO-N Premium Plus, Mack EO-O Premium Plus-07
- Cummins CES 20081
- JASO DH-2
- CAT ECF-3
- Deutz DQC IV-10 LA
- Detroit Diesel DDC 93K218

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 5W-30

Analysis	Unit	Analysis Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,8558
Viscosity, 40°C	cSt	ASTM D 445	71,50
Viscosity, 100°C	cSt	ASTM D 445	11,90
Viscosity Index	-	ASTM D 2270	163
Pour Point	°C	ASTM D 97	-42
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	9,9
Sulfated ash	%m/m	ASTM D 874	<1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT LE 5W-30 CJ-4/SN is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT LE 10W-30 CJ-4/SN

Fully Synthetic Superior Performance Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT LE 10W-30 is a fully synthetic, high performance heavy duty diesel engine oil developed for use in new generation engines. Thanks to its high technology synthetic formulation, it has excellent and sustainable performance that meets all requirements of EURO 6, 5 and 4.

ADVANTAGES

- Compatible with emission systems and diesel particle filters and is designed to maximize the performance of low sulfur diesel fuels.
- The wear prevention feature, the most important requirements for modern engines, reduces piston friction, protects the particle filter and extends the service life of the engine.
- Provides less oil consumption and minimizes maintenance costs due to longer oil change intervals.
- Meets the advanced standards of original equipment manufacturers with high performance.
- Can be used in heavy duty diesel engines operating under difficult conditions such as transport, mining, agriculture and construction.
- Improves the performance of the emission system by protecting the exhaust emission systems.

APPROVALS AND SPECIFICATIONS

- API CJ-4/SN
- ACEA E9-12, ACEA E7-12, ACEA E6-12
- MB 228.51, 228.31
- MAN M 3677, M 3477, M 3271-1
- MTU Type 3.1
- Volvo VDS-4, VDS-3
- Renault Truck RGD, Renault Truck RXD, Renault Truck RLD/RLD-2 / RLD-3
- Mack EO-M Plus, Mack EO-N Premium Plus, Mack EO-O Premium Plus-07
- Cummins CES 20081
- JASO DH-2
- CAT ECF-3
- Deutz DQC IV-10 LA
- Detroit Diesel DDC 93K218

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10W-30

Analysis	Unit	Analysis Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0.86
Viscosity, 40 °C	cSt	ASTM D 445	75,00
Viscosity, 100 °C	cSt	ASTM D 445	11,90
Viscosity Index	-	ASTM D 2270	153
Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	8,7
Sulfated ash	%m/m	ASTM D 874	<1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION**Package**

- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60 °C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT LE 10W-30 CJ-4/SN is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT F 10W-30 CI-4/SL

High Performance Synthetic Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT F 10W-30 is a high performance engine oil that has been formulated with qualified base oils and additives which compensates approvals of FORD WSS-M2C921-A for especially FORD branded vehicles like Transit and Connect. Having unique characteristics make it perfect choice for usage of fuels with high content of sulfur.

ADVANTAGES

- Provides unique engine protection even using fuels with high content of Sulphur.
- Perfect stability of fluidity characteristic at low temperatures helps to get excellent results at first runs.
- Extends engine lifetime by preventing rust and corrosion formation.
- Provides extended oil change periods and preserves superior performance characteristics under all conditions.
- Superior lubrication properties contribute to the fuel economy

APPROVALS AND SPECIFICATIONS

- API CI-4/SL
- ACEA E7-16
- ACEA A3/B4-16
- MB 228.3
- MAN M 3275
- MTU Type 2
- Detroit Diesel DDC 93K215
- Cat ECF-2/ECF-1-a
- FORD WSS-M2C921-A
- Volvo VDS-3
- Deutz DQC-III-10
- Cummins CES 20078/77/76
- Cummins CES 29978
- Mack EO-N/EO-M Plus
- Renault Trucks RLD-2
- Global DHD-1

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10W-30

Test	Unit	Test Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,872
Viscosity, 40°C	cSt	ASTM D 445	66,49
Viscosity, 100°C	cSt	ASTM D 445	10,48
Viscosity Index	-	ASTM D 2270	147
Pour Point	°C	ASTM D 97	-36
Flash Point	°C	ASTM D 92	224
TBN	mg KOH/g	ASTM D 2896	10,9
Sulfated ash	%m/m	ASTM D 874	<2

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 7 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT F 10W-30 CI-4/SL is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT 10W-40 CI-4 Synthetic Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT 10W-40 is an engine oil that has been improved with high quality synthetic oil technology and special additives for heavy-duty diesel engines to provide effective protection and get maximum engine performance.

ADVANTAGES

- Decreases the maintenance cost by reducing oil consumption, extending oil change periods and providing excellent protection due its oxidation resistance.
- Unique protection at high temperatures provides excellent protection and extends lifetime of turbocharge.
- Excellent fluidity characteristic provides protection and high engine efficiency even at first run.
- Cleaning characteristic provides effective cleaning and minimizes deposit formation.
- Shows maximum protection by acid equilibrium that arranged by having high TBN value.

APPROVALS AND SPECIFICATIONS

- API CI-4/SL
- ACEA E7,E5,E3
- ACEA A2/B2
- Allison C4
- Caterpillar ECF-2, ECF-1a
- DDC 93K215
- Deutz DQC III-10
- Volvo VDS-2, VDS-3
- Cummins CES 20078, 20077, 20076, 20075, 20072, 20071
- Global DHD-1
- Iveco T2 E5
- Mack EO-M, EO-M Plus, EO-N
- MAN 3275
- MB 228.3
- MTU Type 2
- Renault RLD, RLD-2
- JASO DH-1

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,852
Viscosity, 40 °C	cSt	ASTM D 445	90,19
Viscosit, 100 °C	cSt	ASTM D 445	14,48
Viscosity Index	-	ASTM D 2270	161

Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	10,7
Sulfated ash	%m/m	ASTM D 874	<2

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT 10W-40 CI-4 is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT MMS NF 10W-40 CI-4

High Performance and Long Life Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT MMS NF 10W-40; has been developed to provide effective protection in the new generation heavy-duty diesel engines. Prepared with low ash additive packages to keep the engine performance at maximum for a longer time. Its fully synthetic formulation helps to extend the life of heavy-duty engines with particle filter which has EURO 4, EURO 5, EURO 6 and SCR system.

ADVANTAGES

- Saves on maintenance costs due to long oil change period.
- Provides sustainable performance in the most challenging road and climate conditions, providing superior protection to the motor.
- Its motor protection feature reduces wear and extends engine life, reducing maintenance costs.
- Helps to protect the environment by providing works exhaust emission systems efficiently.
- Protects the engine from possible deposits such as soot, mud etc. and minimizes the wears.

APPROVALS AND SPECIFICATIONS

- API CI-4
- ACEA E6/E7-16
- MB 228.51
- MAN M 3271-1
- MTU Type 3.1
- Volvo VDS-3
- Cummins CES 20077/20076
- CAT ECF-1-a
- JASO DH-2
- Renault Trucks RLD-2

CHARACTERISTIC PROPERTIES

Viscosity Class: SAE 10W-40

Analysis	Unit	Analysis Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,858
Viscosity, 40°C	cSt	ASTM D 445	93,34
Viscosity, 100°C	cSt	ASTM D 445	14,39
Viscosity Index	-	ASTM D 2270	160
Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	9,9
Sulfated ash	%m/m	ASTM D 874	<1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT MMS NF 10W-40 CI-4 is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT FE 10W-40 CI-4

New Generation, Long Lifetime Synthetic Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT FE 10W-40 is new generation high performance diesel engine oil for heavy-duty vehicles. It has been formulated with high quality base oils and modern additive combinations to provide effective protection and keeps performance at maximum level.

ADVANTAGES

- Reduces oil consumption with its high oxidation resistance. Provides long oil change periods and perfect protection to reduce cost of maintenance.
- Boosts performance of diesel engines.
- Extends lifetime of turbocharger and prevents wear formation with excellent protection at high temperatures.
- Provides high engine efficiency and excellent protection even at first run thanks to its fluidity characteristic.
- Minimizes ash and slush formation with its superior cleaning characteristic.
- Controls acid and corrosion formation to prevent wear formation on engine.

APPROVALS AND SPECIFICATIONS

- API CI-4
- ACEA E4/E7-16
- Detroit Diesel 93K215
- Mack EO-N, EO-M Plus
- MAN 3277, M3377
- Deutz DQC-IV-10
- MB 228.5
- Renault RLD-2
- Cummins CES 20078
- MTU 3.0
- Volvo VDS-3



CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,873
Viscosity, 40 °C	cSt	ASTM D 445	95,42
Viscosity, 100 °C	cSt	ASTM D 445	14,43
Viscosity Index	-	ASTM D 2270	157
Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	12,5
Sulfated ash	%m/m	ASTM D 874	<2

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60 °C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT FE 10W-40 CI-4 is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT LE 10W-40 CJ-4/SN

Fully Synthetic Superior Performance Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT LE 10W-40 is a fully synthetic, high performance heavy duty diesel engine oil developed for use in new generation engines. Thanks to its high technology synthetic formulation, it has excellent and sustainable performance that meets all requirements of EURO 6, 5 and 4.

ADVANTAGES

- Compatible with emission systems and diesel particle filters and is designed to maximize the performance of low sulfur diesel fuels.
- The wear prevention feature, the most important requirements for modern engines, reduces piston friction, protects the particle filter and extends the service life of the engine.
- Provides less oil consumption and minimizes maintenance costs due to longer oil change intervals.
- Meets the advanced standards of original equipment manufacturers with high performance.
- Can be used in heavy duty diesel engines operating under difficult conditions such as transport, mining, agriculture and construction.
- Improves the performance of the emission system by protecting the exhaust emission systems.

APPROVALS AND SPECIFICATIONS

- API CJ-4/SN
- ACEA E9-12, ACEA E7-12, ACEA E6-12
- MB 228.51, 228.31
- MAN M 3677, M 3477, MAN M 3271-1
- MTU Type 3.1
- Volvo VDS-4, Volvo VDS-3
- Renault Truck RGD, Renault Truck RXD, Renault Truck RLD/RLD-2 / RLD-3
- Mack EO-M Plus, Mack EO-N Premium Plus, Mack EO-O Premium Plus-07
- Cummins CES 20081
- JASO DH-2
- CAT ECF-3
- Deutz DQC IV-10 LA
- Detroit Diesel DDC 93K218

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10W-40

Analysis	Unit	Analysis Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8690
Viscosity, 40 °C	cSt	ASTM D 445	97,50
Viscosity, 100 °C	cSt	ASTM D 445	14,40
Viscosity Index	-	ASTM D 2270	150
Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	8,6
Sulfated ash	%m/m	ASTM D 874	<1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60 °C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT LE 10W-40 CJ-4/SN is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT LE 15W-40 CJ-4/SN

Fully Synthetic Superior Performance Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT LE 15W-40 is a fully synthetic, high performance heavy duty diesel engine oil developed for use in new generation engines. Thanks to its high technology synthetic formulation, it has excellent and sustainable performance that meets all requirements of EURO 6, 5 and 4.

ADVANTAGES

- Compatible with emission systems and diesel particle filters and is designed to maximize the performance of low sulfur diesel fuels.
- The wear prevention feature, the most important requirements for modern engines, reduces piston friction, protects the particle filter and extends the service life of the engine.
- Provides less oil consumption and minimizes maintenance costs due to longer oil change intervals.
- Meets the advanced standards of original equipment manufacturers with high performance.
- Can be used in heavy duty diesel engines operating under difficult conditions such as transport, mining, agriculture and construction.
- Improves the performance of the emission system by protecting the exhaust emission systems.

APPROVALS AND SPECIFICATIONS

- API CJ-4/SN
- ACEA E9-12, ACEA E7-12, ACEA E6-12
- MB 228.51, 228.31
- MAN M 3677, M 3477, M 3271-1
- MTU Type 3.1
- Volvo VDS-4, VDS-3
- Renault Truck RGD, Renault Truck RXD, Renault Truck RLD/RLD-2 / RLD-3
- Mack EO-M Plus, Mack EO-N Premium Plus, Mack EO-O Premium Plus-07
- Cummins CES 20081
- JASO DH-2
- CAT ECF-3
- Deutz DQC IV-10 LA
- Detroit Diesel DDC 93K218

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 15W-40

Analysis	Unit	Analysis Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8603
Viscosity, 40 °C	cSt	ASTM D 445	102,7
Viscosity, 100 °C	cSt	ASTM D 445	14,60
Viscosity Index	-	ASTM D 2270	147
Pour Point	°C	ASTM D 97	-36
Flash Point	°C	ASTM D 92	230
TBN	mg KOH/g	ASTM D 2896	8,4
Sulfated ash	%m/m	ASTM D 874	<1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60 °C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT LE 15W-40 CJ-4/SN is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT FLEETMAX 15W-40 CI-4/SL

Superior Oil And Fuel Economy With Improved Formulation

DESCRIPTION

TURBOT FLEETMAX 15W-40 is a high performance diesel engine oil for heavy-duty vehicles that has been formulated with high quality base oils and high performance additive combinations. It can be used in heavy-duty vehicles, busses, pickup trucks, minibuses and panel vans that have turbo and super charged engines and work in urban, interurban and international transportation.

ADVANTAGES

- Produced by special formulation to meet needs of modern engines at unique performance level.
- Reduces cost of maintenance by decreasing oil consumption and extends oil change periods.
- Thanks to its high TBN value, it protects engine even high content sulfur fuels is used. It also protects exhaust emission system and increases its performance.
- Provides excellent engine performance by the help of unique “viscosity grade durability” characteristic at any kinds of climate and operation temperatures.
- Provides excellent fuel economy
- Keeps the engine as clean and boosts engine power.
- Best choice for modern commercial vehicle shipping that need fuel and oil economy beside high performance engine.

APPROVALS AND SPECIFICATIONS

- API CI-4/SL
- ACEA E7, E5, E3
- ACEA A2/B2
- Allison C4
- Mack EO-M, EO-M Plus, EO-N
- MTU Type 2
- MB 228.3
- Volvo VDS-2, VDS-3
- Cummins CES 20078, 20077, 20076, 20075, 20072, 20071
- Caterpillar ECF-2, ECF-1a
- DDC 93K215
- Deutz DQC III-10
- Global DHD-1
- Iveco T2 E5
- MAN 3275
- Renault RLD, RLD-2
- JASO DH-1

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 15W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,885
Viscosity, 40 °C	cSt	ASTM D 445	112,9
Viscosity, 100 °C	cSt	ASTM D 445	14,87
Viscosity Index	-	ASTM D 2270	136
Pour Point	°C	ASTM D 97	-33
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	105
Sulfated ash	%m/m	ASTM D 874	<2

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 6 L
- 20 L
- 200 L
- 16 kg

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60 °C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT FLEETMAX 15W-40 CI-4/SL is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT NOUVUS 15W-40 CF-4/CF-2/SF

Long Life Protection for Turbo Diesel Engines

PRODUCT DESCRIPTION

ALPET TURBOT NOUVUS 15W-40 is a diesel engine oil that has been formulated with special additives that performs excellent protection at high temperatures. It prevents excessive oil consumption and wear formation by decreasing oil firing in turbo and super charged engines.

ADVANTAGES

- Prevents residue formation even at high temperatures.
- Extends oil change periods.
- Provides oxidation, corrosion and foam formation control.
- Superior engine cleaning.

APPROVALS AND SPECIFICATIONS

- API CF-4/SG

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 15W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,883
Viscosity, 40 °C	cSt	ASTM D 445	107,8
Viscosity, 100 °C	cSt	ASTM D 445	14,83
Viscosity Index	-	ASTM D 2270	139
Pour Point	°C	ASTM D 97	-33
Flash Point	°C	ASTM D 92	228
TBN	mg KOH/g	ASTM D 2896	8,6

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 4 L
- 7 L
- 9 L
- 16 L
- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT NOUVUS 15W-40 CF-4/CF-2/SF is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT NOUVUS 20W-50 CF-4/CF-2/SF

Long Life Protection for Turbo Diesel Engines

PRODUCT DESCRIPTION

TURBOT NOUVUS 20W-50 is a diesel engine oil that has been formulated with special additives that performs excellent protection at high temperatures. It prevents excessive oil consumption and wear formation by decreasing oil firing in turbo and super charged engines.

ADVANTAGES

- Prevents residue formation even at high temperatures.
- Extends oil change periods.
- Provides oxidation, corrosion and foam formation control.
- Superior engine cleaning.

APPROVALS AND SPECIFICATIONS

- API CF-4/SG

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 20W-50

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,887
Viscosity, 40 °C	cSt	ASTM D 445	164
Viscosity, 100 °C	cSt	ASTM D 445	19,52
Viscosity Index	-	ASTM D 2270	137
Pour Point	°C	ASTM D 97	-24
Flash Point	°C	ASTM D 92	236
TBN	mg KOH/g	ASTM D 2896	8,8

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 20 L
- 200 L
- 16 kg

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT NOUVUS 20W-50 CF-4/CF-2/SF is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



TURBOT 20W-50 CC/SC

Heavy Duty Diesel Engine Oil

PRODUCT DESCRIPTION

TURBOT 20W-50 is a diesel engine oil that has been formulated with special additives that performs excellent protection at high temperatures. It prevents excessive oil consumption and wear formation by decreasing oil firing in turbo and super charged engines.

ADVANTAGES

- Prevents residue formation even at high temperatures.
- Extends oil change periods.
- Provides oxidation, corrosion and foam formation control.
- Superior engine cleaning.

APPROVALS AND SPECIFICATIONS

- API CC/SC

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 20W-50

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,887
Viscosity, 40 °C	cSt	ASTM D 445	164
Viscosity, 100 °C	cSt	ASTM D 445	19,52
Viscosity Index	-	ASTM D 2270	137
Pour Point	°C	ASTM D 97	-27
Flash Point	°C	ASTM D 92	230

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 20 L
- 200 L
- 16 kg

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information TURBOT 20W-50 CF-4/CF-2/SF is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROTECTOR M SERIES

General Purpose Mono Grade Oils

PRODUCT DESCRIPTION

PROTECTOR M Series are general purpose monograde oils that has been formulated with well refined mineral base oils and qualified additive packages. They can be used in many kinds of automotive and industrial applications that are not operate under hard conditions.

ADVANTAGES

- Protect system, extend lifetime of usage and prevent loss of performance.
- Provide excellent protection from wear that has been formed by high pressure.
- Prevent formation of deposits to keep clean the system.

APPROVALS AN SPECIFICATIONS

- API CC/SC

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10 / SAE 30 / SAE 40 / SAE 50 / SAE 60 / SAE 70

Test	Unit	Test Method	Typical Values					
			10	30	40	50	60	70
Density, 15 °C	g/cm ³	ASTM D 4052	0,875	0,885	0,888	0,889	0,887	0,884
Viscosity, 40 °C	cSt	ASTM D 445	33,54	95,66	132,2	182,6	253,0	293,6
Viscosity, 100 °C	cSt	ASTM D 445	5,57	10,73	14,71	19,60	25,61	33,82
Viscosity Index	-	ASTM D 2270	103	95	110	123	132	141
Pour Point	°C	ASTM D 97	-12	-18	-21	-24	-18	-15
Flash Point	°C	ASTM D 92	200	230	238	244	250	246

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 1L
- 4 L
- 5 L
- 16 L
- 20 L
- 25 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information PROTECTOR M SERIES is not harmful for human health when it is used in accordance with the recommendations specified in the “Safety Information Sheets” and in appropriate places. “Safety Information Sheets” can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROTECTOR MX SERIES Monograde Diesel Engine Oils

PRODUCT DESCRIPTION

PROTECTOR MX Series which are formulated with high quality mineral base oil and compatible additives to heavy conditions, are used for diesel and gasoline-powered vehicles that worked under the heavy working conditions. These are ideal products for applications which need single seasonal engine oil. They are suitable for use in business and construction machinery with all commercial vehicles.

ADVANTAGES

- Protect the engine and extend its life due to detergent and dispersant additives. They keep the engine clean by preventing deposit formation. This provides a superior fuel economy.
- Prevent abrasions that may occur in all parts requiring lubrication.
- Provide superior economy in all conditions in engine and hydraulic systems.

APPROVALS AND SPECIFICATIONS

- API CF

CHARACTERISTIC PROPERTIES

Viscosity Class: SAE 10 / SAE 30 / SAE 40 / SAE 50 / SAE 60 / SAE 70

Test	Unit	Test Method	Typical Values			
			10	30	40	50
Density, 15 °C	g/cm ³	ASTM D 4052	0,882	0,893	0,891	0,893
Viscosity, 40 °C	cSt	ASTM D 445	36,66	109,0	136,8	164,0
Viscosity, 100 °C	cSt	ASTM D 445	5,98	11,77	15,14	17,31
Viscosity Index	-	ASTM D 2270	107	96	113	114
Pour Point	°C	ASTM D 97	-30	-27	-21	-24
Flash Point	°C	ASTM D 92	226	230	238	240

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 5 L
- 20 L
- 200 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information PROTECTOR MX SERIES are not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. AŞ

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



RIDER 2T

2-Stroke Motorcycle Oil

PRODUCT DESCRIPTION

RIDER 2T is a mineral based motorcycle oil developed for 2-stroke engines working with leaded and unleaded gasoline. It can be used in all air cooling two-stroke engines, mopeds, motorcycles and 2-stroke engine oil recommended agricultural equipment. The fuel / oil mixture ratio should be determined according to the motor manufacturer's recommendations. In the absence of such a recommendation, it can be mixed up to 2%. It is especially recommended due to the superior fuel and engine economy it provides in local use.

ADVANTAGES

- Prevents deposits and residues that may occur in the motor and exhaust.
- Provides excellent protection against rust and corrosion.
- Thanks to its low ash formula, it eases the preignition and prevents piston ring compression.
- It provides superior performance thanks to its excellent mixing ability with gasoline.
- Keeps exhaust emissions under control.
- Provides excellent lubrication on piston rod and crankshaft.
- Prevents contamination in ignition system.

APPROVALS AND SPECIFICATIONS

- API TC
- ISO L-EGC
- JASO FC

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values
Density, 15° C	g/cm ³	ASTM D 4052	0,88
Viscosity, 40° C	cSt	ASTM D 445	49,69
Viscosity, 100° C	cSt	ASTM D 445	7,18
Viscosity Index	-	ASTM D 2270	103
Pour Point	°C	ASTM D 97	-21
Flash Point	°C	ASTM D 92	202
TBN	mg KOH/g	ASTM D 2896	1,0

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, RIDER 2T is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY T: +90 212 463 6060
F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



RIDER 4T 10W-40 4-Stroke Motorcycle Oil

PRODUCT DESCRIPTION

RIDER 4T 10W-40 is a synthetic engine oil produced with advanced technology that provides superior lubrication and protection for 4-stroke motorcycle engines in the most demanding driving conditions. It can be used safely in all air and water cooled motorcycles that run on single-twin, multi-cylinder, leaded and unleaded gasoline, including sports and scooter models.

ADVANTAGES

- It provides unmatched engine protection and economy in all climate and usage conditions.
- Thanks to its fully synthetic structure, it provides excellent engine protection against risks that may occur at high speeds.
- Its structure, which keeps oil pressure and consumption under control, provides maximum performance by preventing the formation of deposits.
- It extends the life of the engine by perfectly tolerating the forceful and abrasive effects on the engine due to stop-starts, especially in city use.

APPROVALS AND SPECIFICATIONS

- API SL
- JASO MB

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 10W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8708
Viscosity, 40 °C	cSt	ASTM D 445	98,02
Viscosity, 100 °C	cSt	ASTM D 445	13,62
Viscosity Index		ASTM D 2270	140
TBN	mg KOH/g	ASTM D 2896	9,6

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, RIDER 4T 10W-40 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



RIDER 4T 20W-40 4-Stroke Motorcycle Oil

PRODUCT DESCRIPTION

RIDER 4T 20W-40 is a mineral based oil for 4-stroke engines that has been produced for protection and lubrication of engines even under really hard driving conditions. It provides economy and performance for all air cooled and water cooled motorcycles including sport and race replica models, Japan and European manufactured ones with single, double and multi cylinder engines that work with leaded or unleaded fuels.

ADVANTAGES

- It forms strong protective film layer on engine and gear box with its improved formulation.
- Provides maximum and steady acceleration in engine.
- Perfect stability against thermal changes by the help of its high viscosity index.
- Excellent engine protection under high and low temperatures.
- Controls oil consumption under high temperatures.
- Provides high engine durability and fuel economy by preventing all efficiency losses from frequent and serial use.

APPROVALS AND SPECIFICATIONS

- API SJ
- JASO MA

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 20W-40

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8873
Viscosity, 40 °C	cSt	ASTM D 445	133,1
Viscosity, 100 °C	cSt	ASTM D 445	15,76
Viscosity Index		ASTM D 2270	123
Pour Point	°C	ASTM D 97	-21
Flash Point	°C	ASTM D 92	240
TBN	mg KOH/g	ASTM D 2896	6,7

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, RIDER 4T 20W-40 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DISCUSS AGRI TRANS

Transmission Oil for Agriculture Vehicles

PRODUCT DESCRIPTION

DISCUSS AGRI TRANS is a transmission oil to be used in tractor and the power-shift transmission systems of the other agricultural vehicles. It has been produced with high quality paraffinic mineral base oils and advanced additive packages that provides high performance.

ADVANTAGES

- Protects system components due to high anti-wearing properties and EP additives.
- Reduces the noise to the minimum level in the gear systems.
- Reduces the wear.
- Prevents rust, corrosion and foam due to special additives.
- Compatible with all impermeability components.
- Due to its thermal stability and oxidation resistance, it also provides excellent cleaning in the gear system.

APPROVALS AND SPECIFICATIONS

- **Transmisyon**

API GL4

ZF TE ML 06E,06F,06K, 17E,21F

- **UTTO**

Ford M2C 134D,

Case New Holland MAT 3525 and 3526,

John Deere J20C, J20D

Massey Ferguson CMS M1145

Volvo WB 101

CHARACTERISTIC PROPERTIES

Viscosity Class: SAE 10W-30

Analysis	Unit	Analysis Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8839
Viscosity, 40 °C	cSt	ASTM D 445	50,85
Viscosity, 100 °C	cSt	ASTM D 445	9,575
Viscosity Index	-	ASTM D 2270	176
Pour Point	°C	ASTM D 97	-42
Flash Point	°C	ASTM D 92	216

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 20 L
- 200 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DISCUSS AGRI TRANS is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DISCUSS AGRI TRANS S 10W-30

Transmission Oil for Agriculture Vehicles

PRODUCT DESCRIPTION

DISCUSS AGRI TRANS S 10W-30 is a multi-grade power transmission system oil, especially developed for use in transmissions and differentials of tractors and other agricultural vehicles serving the agricultural sector. In addition to providing high performance with high quality base oils and special additive systems in its formulation, it provides superior protection against cracking and surface deformations in brake and transmission elements against high water and humidity amount exposed by agricultural vehicles.

ADVANTAGES

- Provides superior protection against deformations and abrasions on the surface of driveline due to surface protection formulation developed against friction.
- Thanks to the thickness of the oil film layer it creates, it provides effective braking ability as well as protection against vibration.
- Provides superior surface protection and extends equipment life and service periods.
- It provides protection against leakage due to its structure compatible with sealing elements.
- It provides long service life due to its oxidation resistant structure.
- Provides protection against cavitation as a result of foaming.

APPROVALS AND SPECIFICATIONS

- Massey Ferguson CMC M1135
- Ford ESEN M2C 86B

CHARACTERISTIC PROPERTIES

Viscosity Class: SAE 10W-30

Analysis	Unit	Analysis Method	Typical Values
Density, 15° C	g/cm ³	ASTM D 4052	0,89
Viscosity, 40° C	cSt	ASTM D 445	84,5
Viscosity, 100° C	cSt	ASTM D 445	10,8
Viscosity Index	-	ASTM D 2270	113
Pour Point	°C	ASTM D 97	-27
Flash Point	°C	ASTM D 92	242
TBN	mg KOH/g	ASTM D 2896	9,7

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results



ADDITIONAL INFORMATION

Package

- 15 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DISCUSS AGRI TRANS S 10W-30 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DISCUSS AGRI TRANS S

Transmission Oil for Agricultural Machines

PRODUCT DESCRIPTION

DISCUSS AGRI TRANS S is a transmission oil that has been formulated with high quality base oil. Prevents wear, foam and cuts out noise due to its EP and AW additives. It is developed for using in transmission and hydraulic system of tractors and final drive units of agricultural machines.

ADVANTAGES

- It protects the power transmission system through EP and AW additives.
- Minimizes scabbing in the gear system.
- Prevents rust, corrosion and foam formation.
- Compatible with all seals.
- It provides very good cleaning of the gear system thanks to its thermal stability and resistance to oxidation.

APPROVALS AND SPECIFICATION

- API GL-4
- Massey Ferguson CMS M1135
- Caterpillar TO-2

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values
Density, @15°C	g/cm ³	ASTM D 4052	0,8891
Viscosity, @40°C	cSt	ASTM D 445	92,31
Viscosity, @100°C	cSt	ASTM D 445	10,54
Viscosity Index	-	ASTM D 2270	95
Pour Point	°C	ASTM D 97	-30
Flash Point	°C	ASTM D 92	220

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Packages

- 15 kg
- 200 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DISCUSS AGRI TRANS S is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROTECTOR MCS 3005

Low Speed Marine Engine Cylinder Oils

PRODUCT DESCRIPTION

PROTECTOR MCS 3005 is marine engine oil that produced with high quality base oils and modern additive combinations for use in high Sulphur content diesel fuel user low speed crosshead marine engines. These products can also be used as piston cooling oil and system oils at marine machines.

ADVANTAGES

- Smoothly work at environment with water with its water contamination durable formulation.
- Provides high resistance against oxidation which is a main problem at the environments contain water and air.
- Decrease maintenance costs with providing long service life by excellent resistance against wear.
- Prevent wear arising from heavy load by creating unique oil film layer with its heavy load resistant formulation.
- Provide foaming resistant structure.

CHARACTERISTIC PROPERTIES

Viscosity Grade : SAE 30

Test	Birim	Test Metodu	Typical Değerler
			MCS 3005
Density, 15°C	g/cm ³	ASTM D 4052	0,8903
Viscosity, 40°C	cSt	ASTM D 445	98,19
Viscosity, 100°C	cSt	ASTM D 445	11,05
Viscosity Grade	-	ASTM D 2270	97
Pour Point	°C	ASTM D 97	-12
Flash Point	°C	ASTM D 92	230
TBN	mg KOH/g	ASTM D 2896	6,2

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 180 kg
- IBC
- Bulk

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

- Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROTECTOR MCS 3005 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROTECTOR MCS 5040

Low Speed Marine Engine Cylinder Oils

PRODUCT DESCRIPTION

PROTECTOR MCS 5040 is a high alkalinity marine engine cylinder oils blended with high quality base oil and modern additive packages for slow speed crosshead marine engines which are using fuels of high Sulphur content. Provides superior cleaning at cylinder liners, bucket rings and piston subarea with the help of special dispensers in the formulation balanced with cleaner and acidity regulating additives.

ADVANTAGES

- Protect cylinder parts against corrosion due to its high TBN value.
- Include alkalinity in the range that can resist the effects of Sulphur in the fuel.
- Extend the engine maintenance period due to their long service life and optimum protection properties.
- Superior thermal and anti-oxidation stability.
- Keep all the engine parts clean even under excessive fouling formed because of heavy fuels.

CHARACTERISTIC PROPERTIES

Viscosity Grade : SAE 50

Analysis	Unit	Analysis Method	Typical Values
			MCS 5040
Density, 15 °C	g/cm ³	ASTM D 4052	0,9171
Viscosity, 40 °C	cSt	ASTM D 445	186,7
Viscosity, 100 °C	cSt	ASTM D 445	17,63
Viscosity Index	-	ASTM D 2270	102
Pour Point	°C	ASTM D 97	-15
Flash Point	°C	ASTM D 92	252
TBN	mg KOH/g	ASTM D 2896	40

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 180 kg
- IBC
- Bulk

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

- Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROTECTOR MCS 5040 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROTECTOR MCS 5070

High Viscosity & Slow Speed Marine Engine Cylinder Oil

PRODUCT DESCRIPTION

PROTECTOR MCS 5070 is a high alkalinity cylinder oil blended with high quality base oils and specific combination of modern additive packages for slow-speed crosshead marine diesel engines which are consistently using residual fuels with higher sulphur content. Thanks to the special dispensers in the formulation balanced with cleaner and acidity regulating additives, cylinder liners and piston rings provide superior cleaning in the piston subarea.

ADVANTAGES

- Protects the cylinder parts against corrosion due to its high TBN value.
- Includes alkalinity in the range that can resist the effects of sulphur in the fuel
- Extends the engine maintenance period due to its long service life and optimum protection properties
- Superior thermal and anti-oxidation stability
- Keeps all the motor parts clean although consisted deposit because of heavy fuels

CHARACTERISTIC PROPERTIES

Viscosity Class: SAE 50

Analysis	Unit	Analysis Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,9367
Viscosity, 40°C	cSt	ASTM D 445	230,9
Viscosity, 100°C	cSt	ASTM D 445	19,45
Viscosity Index	-	ASTM D 2270	96
Pour Point	°C	ASTM D 97	-18
Flash Point	°C	ASTM D 92	278
TBN	mg KOH/g	ASTM D 2896	70

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 180 kg
- IBC
- Bulk

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

- Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROTECTOR MCS 5070 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



Protector MLS Series Medium-High Speed Marine Diesel Engine Oils

PRODUCT DESCRIPTION

PROTECTOR MLS products are diesel marine engine oils designed for diesel fuel using, medium or high speed trunk piston engines. High quality mineral base oils and special additive packages have been used in the exclusive formulation. In addition to its normal usage areas, it can also be used as cylinder oil at crosshead engines.

ADVANTAGES

- Protect their properties at high temperature and pressure due to its high TBN value.
- Prevent the formation of deposits due to special detergent and dispersant additives.
- Keep engine clean and minimize detrimental effects of burning of Sulphur inside of fuel.
- Extend engine life with oxidation and corrosion preventing features.
- Possess improved water and dirt remove features.

APPROVALS AND SPECIFICATIONS

- API CF

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values	
			MLS 3015 SAE 30	MLS 4015 SAE 40
Density, 15° C	g/cm ³	ASTM D 4052	0,8962	0,8945
Viscosity, 40° C	cSt	ASTM D 445	97,94	142,3
Viscosity, 100° C	cSt	ASTM D 445	11,22	14,26
Viscosity Index	-	ASTM D 2270	98	97
Pour Point	°C	ASTM D 97	-18	-15
Flash Point	°C	ASTM D 92	228	248
TBN	mg KOH/g	ASTM D 2896	15,1	15,2

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIVE INFORMATION

Package

- 180 kg
- IBC
- Bulk

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

- Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROTECTOR MLS SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROTECTOR MLX Series

Medium-Speed Marine Diesel Engine Oils

PRODUCT DESCRIPTION

PROTECTOR MLX is a range of diesel engine oils formulated with the combination of high quality base oils and special additive packages and developed for use in medium speed diesel marine engines and power generation systems. Specifically designed to overcome the problems that can occur when used low quality fuels with high ratio of Sulphur at trunk piston and crosshead type diesel marine engines. They perform better than conventional diesel engine oils in low oil consuming engines and in situations when there is doubt of fuel contamination in the crankcase oil.

ADVANTAGES

- The high TBN value neutralize the acidic wastes resulting from the burning of fuels with high Sulphur ratio.
- Provides excellent engine cleaning in marine diesel engines using fuel with different sulfur ratios, by offering a variety of products with different TBN values.
- Minimizes deposit formation by resisting pollution generation.
- Reduces maintenance and operating costs by extending oil change intervals and reducing oil consumption.
- High oxidation stability extends engine life.
- Provides effective protection against rust and corrosion.

APPROVALS AND SPECIFICATIONS FOR

- API CF

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values		
			MLX 3030 SAE 30	MLX 4030 SAE 40	MLX 4040 SAE 40
Density, 15°C	g/cm ³	ASTM D 4052	0,9031	0,9080	0,9123
Viscosity, 40°C	cSt	ASTM D 445	91,72	142,4	137,1
Viscosity, 100°C	cSt	ASTM D 445	10,88	14,35	14,11
Viscosity Index		ASTM D 2270	100	97	98
Pour Point	°C	ASTM D 97	-15	-15	-18
Flash Point	°C	ASTM D 92	218	230	236
TBN	mg KOH/g	ASTM D 2896	30	30	40

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 180 kg
- IBC
- Bulk

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

- Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROTECTOR MLX SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



ATF CVT

New Generation Superior Performance Transmission Fluid

PRODUCT DESCRIPTION

ATF CVT is a transmission fluid formulated with high quality base oils and designed specifically for use in CVT (Continuously Variable Transmission) systems. Depending on its high performance additive package and base oils, it contributes to fuel saving by preventing wear and power loss due to friction.

ADVANTAGES

- Provides easy transition by reducing friction minimum in addition to fuel saving.
- Provides long service life thanks to resistance to oxidation even under severe working conditions.
- Compatible with sealing elements.
- Provides very high resistance to foaming, which is a severe problem for CVT system lubricants.
- Ensures, system work without loss and issueless by dissipating heat perfectly.
- Provides excellent protection against corrosion and rust.

APPROVALS AND SPECIFICATIONS

Supply the needs of the following brands.

- Toyota CVTF TC
- Toyota CVTF FE
- Nissan NS-1
- Nissan NS-2
- Nissan NS-3
- Honda HMMF*1)
- Honda HCF2
- Mitsubishi CVTF-J1
- Mini Cooper EZL799
- VW/Audi TL 52180
- Subaru ECVT
- Subaru iCVT
- Daihatsu Ammix CVT
- Suzuki CVTF TC
- Suzuki NS-2
- Suzuki CVT Green 1
- Hyundai SP-III
- Chrysler Jeep NS-2
- Mazda JWS 3320

(*Not recommended for use as first fill for Honda CVT.)

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,8466
Viscosity, 40°C	cSt	ASTM D 445	34,89
Viscosity, 100°C	cSt	ASTM D 445	7,324
Viscosity Index	-	ASTM D 2270	182
Brookfield Viscosity -40°C	Cp	ASTM D 2983	12857
Flash Point	°C	ASTM D 92	218

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 1 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60°C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information ATF CVT is not harmful for human health when it is used in accordance with the recommendations specified in the "Safety Information Sheets" and in appropriate places. "Safety Information Sheets" can be provided by the company official upon request.

When disposing used products, laws and regulations in force should be followed and the physical and chemical features of the product should be considered during disposal.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



ATF TT 71141

New Generation Superior Performance Transmission Fluid

PRODUCT DESCRIPTION

ATF TT 17141 is an automatic gearbox fluid, produced for automatic transmissions and hydraulic steering systems with new generation additives and synthetic base oils. The special formulation of product, both provides long oil change range by increasing usage time, and high performance on electronically controlled systems by minimizing friction.

ADVANTAGES

- Provides easy transmission by minimizing friction.
- Maintain long-term performance even under heavy operating conditions.
- Compatible with sealing elements.
- Prevents rust, corrosion and foam formation.
- Ensures system work without loss and issueless by dissipating heat perfectly.

APPROVALS ANS SPECIFICATIONS*

- GM Dexron IIIH
- Ford Mercon
- ZF all 3&4 speed transmission
- Volvo 97325/97335, CE 97340
- GM TASA
- Allison C-4
- Allison TES-389 B
- ZF TE-ML 05 L /09/21 L
- ATF LT 71141 (Jaguar, BMW, Audi, Daewoo, Esso, Porche)

* The OEM specifications have been declared limited. You may contact with Alpet Tecnical Support Service for detailed information.

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Density, 15° C	g/cm ³	ASTM D 4052	0,852
Viscosity, 40° C	cSt	ASTM D 445	41,35
Viscosity, 100° C	cSt	ASTM D 445	8,478
Viscosity Index	-	ASTM D 2270	188
Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	220
TBN	mg KOH/g	ASTM D 2896	1,1

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, ATF TT 71141 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



ATF DEXRON II

Automatic Transmission Fluid

PRODUCT DESCRIPTION

ATF DEXRON II is an automatic transmission oil that has been formulated with well refined paraffinic based base oils and modern additive combinations. It can be safely used in passenger cars' and heavy-duty vehicles' steering gears, automatic gearboxes and transmissions.

ADVANTAGES

- Due to its high oxidation resistance it has longer lifetime.
- Increases resistance to wear formation, in automatic transmission equipment
- Prevents rust, corrosion and foam formation.
- Minimizes friction in wide range of temperatures due to its high viscosity index.
- Ensures system work without loss and issueless by dissipating heat perfectly.
- It is compatible with all kinds of sealing elements.

APPROVALS ANS SPECIFICATIONS

- GM Dexron II-D
- Caterpillar TO-2
- General Motors Type A Suffix A
- Ford Mercon
- Allison C-4
- ZF TE-ML -02F/ 03D/ 04D/ 09/ 14A/ 17C
- MAN 339 Type Z-1 ve Type V-1

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,863
Viscosity, 40 °C	cSt	ASTM D 445	35,66
Viscosity, 100 °C	cSt	ASTM D 445	7,567
Viscosity Index	-	ASTM D 2270	188
Pour Point	°C	ASTM D 97	-39
Flash Point	°C	ASTM D 92	206
TBN	mg KOH/g	ASTM D 2896	1,0

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 3 L
- 20 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, ATF DEXRON II is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



ATF DEXRON III

High Performance Automatic Transmission Fluid

PRODUCT DESCRIPTION

ATF DEXRON III is a synthetic automatic transmission oil that has been formulated with well refined synthetic base oils and modern additive combinations. It is improved for the modern automatic transmissions. It can also be used in power-shift transmissions, steering wheels and hydraulic units.

ADVANTAGES

- Depending on its synthetic properties it ensures system work without loss and issueless by dissipating heat perfectly at a very large range of temperatures.
- Prevents rust, corrosion and foam formation by the help of modern additive package.
- Provides excellent performance at every circumstance and minimize friction with its high viscosity index.
- Compatible with all kinds of sealing elements.

APPROVALS AND SPECIFICATIONS

- Ford Mercon
- GM Dexron IIIH/IIIG/IIIF
- Voith G.607
- MB 236.9/236.6/239.1
- ZF TE-ML 09/11/14
- Caterpillar TO-2
- Allison TES 389
- Ford WSS M2C138-CJ, M2C166-H
- Hägglunds Denison HF-O
- ZF all 3 & 4 speed transmission
- Allison C-4

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,8641
Viscosity, 40°C	cSt	ASTM D 445	35,70
Viscosity, 100°C	cSt	ASTM D 445	7,569
Viscosity Index	-	ASTM D 2270	188
Pour Point	°C	ASTM D 97	-45
Flash Point	°C	ASTM D 92	198
TBN	mg KOH/g	ASTM D 2896	1,0

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 20 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, ATF DEXRON III is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; “.Safety Data Sheet” (SDS). MSDS’s are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



ATF HFS Steering Wheel Fluid

PRODUCT DESCRIPTION

ATF HFS is a steering fluid which is produced from blending of paraffinic based oil and additive package that includes antioxidant, antifoaming and rust inhibitor.

ADVANTAGES

- It has long lifetime due to its high oxidation resistance.
- Prevents rust, corrosion and foam formation
- Increases system resistance against wear.
- Compatible with all seal elements.

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Density, 15 °C	g/cm ³	ASTM D 4052	0,8785
Viscosity, 40 °C	cSt	ASTM D 445	82,07
Viscosity, 100 °C	cSt	ASTM D 445	7,516
Viscosity Index	-	ASTM D 2270	106
Pour Point	°C	ASTM D 97	-30
Flash Point	°C	ASTM D 92	230

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 1 L

Storage

- Packages should be stored in cool and well ventilated and closed areas with their caps tightly closed.
- Packages should not be exposed to direct sunlight and seasonal climatic conditions should be avoided.
- Ambient temperature should be under 60 °C.

Shelf Life

The shelf life of the product is 2 years maximum under suitable storage conditions.

Health and Safety

Based on the available information, ATF HFS is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DISCUSS EP MULTI GL-4 SERIES

High Performance Multi-Grade Gear Oils

PRODUCT DESCRIPTION

DISCUSS EP MULTI GL-4 SERIES are a heavy-duty gear type oil produced by special formulations of premium quality mineral base oils and extreme pressure additives. It is highly recommended for spiral, conical and hypoid gear systems, gearboxes and differentials of vehicles operating under very severe conditions. It is used in the differentials of many vehicles such as cars, trucks, buses, light duty commercial vehicles, agricultural vehicles and heavy equipment.

ADVANTAGES

- Provide easy fluidity, excellent performance and longevity at high temperatures, due to their multi-grade viscosity class features,
- Protect the components of the gear system perfectly, due to superior wear protection and extreme pressure performance (EP).
- Prevent rust, corrosion and foam formation thanks to its additive package.
- Compatible with all seals elements.
- Keep the gear system very clean thanks to the thermal stability and resistance to oxidation.

APPROVAL AND SPECIFICATIONS

- API GL-4
- ZF TE-ML 02A, 08, 16A, 17A, 19A

CHARACTERISTIC PROPERTIES

Viscosity Grade : SAE 75W-90 / SAE 80W-90 / SAE 85W-140

Test	Unit	Test Method	Typical Values		
			SAE 75W-90	SAE 80W-90	SAE 85W-140
Density, 15°C	g/cm ³	ASTM D 4052	0,8456	0,8910	0,9012
Viscosity, 40°C	cSt	ASTM D 445	83,53	141,9	338,2
Viscosity, 100°C	cSt	ASTM D 445	14,86	14,42	24,5
Viscosity Index	-	ASTM D 2270	188	100	93
Pour Point	°C	ASTM D 97	-42	-27	-15
Flash point	°C	ASTM D 92	210	210	230

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Packages

- 1 L
- 3 L
- 16 L
- 200 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DISCUSS MULTI GL-4 SERIES is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DISCUSS EP MULTI GL-5 SERIES

High Performance Multi-Grade Gear Oils

PRODUCT DESCRIPTION

DISCUSS EP MULTI GL - 5 SERIES are a heavy-duty gear type oil produced by special formulations of premium quality mineral base oils and extreme pressure additives. It is highly recommended for spiral, conical and hypoid gear systems, gearboxes and differentials of vehicles operating under very severe conditions. It is used in the differentials of many vehicles such as cars, trucks, buses, light duty commercial vehicles, agricultural vehicles and heavy equipment.

ADVANTAGES

- Provide easy fluidity, excellent performance and longevity at high temperatures, due to their multi-grade viscosity class features,
- Protect the components of the gear system perfectly, due to superior wear protection and extreme pressure performance (EP).
- Prevent rust, corrosion and foam formation thanks to its additive package.
- Compatible with all seals elements.
- Keep the gear system very clean thanks to the thermal stability and resistance to oxidation.

APPROVAL AND SPECIFICATIONS

- API GL-5
- Scania STO 1:0
- Volvo 1273.12
- MAN 342 M-1, MAN 342 M-2
- ZF TE-ML 05A, 7A, 12E, 16B, C ve D, 17B, 19B, 21B

CHARACTERISTIC PROPERTIES

Viscosity Grade : SAE 75W-90 / SAE 80W-90 / SAE 85W-140

Test	Unit	Test Method	Typical Values		
			SAE 75W-90	SAE 80W-90	SAE 85W-140
Density, 15°C	g/cm ³	ASTM D 4052	0,8456	0,8910	0,9012
Viscosity, 40°C	cSt	ASTM D 445	83,53	141,9	338,2
Viscosity, 100°C	cSt	ASTM D 445	14,86	14,42	24,5
Viscosity Index	-	ASTM D 2270	188	100	93
Pour Point	°C	ASTM D 97	-42	-27	-15
Flash point	°C	ASTM D 92	210	210	230

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Packages

- 1 L
- 3 L
- 16 L
- 200 L
- 16 Kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DISCUSS MULTI GL-5 SERES is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DISCUSS EP Series GL-4 High Performance Gear Oils

PRODUCT DESCRIPTION

DISCUSS EP SERIES, protect the gear and transmission system towards wears that will occur under extreme pressure and difficult conditions, due to its EP additive packages. They are used for hypoid gear differentials that work under heavy conditions, axle lubrication systems and transmissions.

ADVANTAGES

- Protect the engine and prevent the wear due to EP additives found in their content.
- Keeps the differential system very clean thanks to its thermal stability and oxidation resistance.
- High resistance against rust and corrosion.
- Provide very good lubrication due to their superior antifoaming characteristics.
- Provide saving for maintenance cost with sealing characteristics.

APPROVAL AND SPECIFICATIONS

- API GL-4
- ZF TE-ML 02A, 08, 16A, 17A, 19A

CHARACTERISTIC PROPERTIES

Viscosity Grade : SAE 80 / SAE 90 / SAE 140

Test	Unit	Test Method	Typical Values		
			SAE 80	SAE 90	SAE 140
Density, 15°C	g/cm ³	ASTM D 4052	0,8874	0,8991	0,9090
Viscosity, 40°C	cSt	ASTM D 445	95,01	210,7	473,4
Viscosity, 100°C	cSt	ASTM D 445	10,74	18,11	30,53
Viscosity Index	-	ASTM D 2270	96	93	93
Pour Point	°C	ASTM D 97	-24	-15	-9
Flash point	°C	ASTM D 92	220	230	240

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Packages

- 3 L
- 16 L
- 200 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DISCUSS EP SERIES GL-4 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DISCUSS SERIES GL-1

Gear Oils

PRODUCT DESCRIPTION

DISCUSS SERIES, are produced with special formulation of superior additives and mineral base oils to use at gear boxes and differentials of industrial and automotive equipment with normal pressure level. These can be used at automobiles, trucks, buses, light duty type commercial vehicles, agricultural vehicles and heavy equipment.

ADVANTAGES

- Prevent wear and protect engine with extreme pressure additives.
- Provide excellent differential cleaning due to thermal stability and resistance against oxidation.
- Provide high resistance against corrosion and rust.
- Provide excellent lubrication with superior antifoam feature.
- Provide saving on maintenance cost with sealing feature.

APPROVAL AND SPECIFICATIONS

- API GL-1

CHARACTERISTIC PROPERTIES

Viscosity Grade: SAE 90 / SAE 140

Test	Unit	Test Method	Typical Values	
			SAE 90	SAE 140
Density, 15 °C	g/cm ³	ASTM D 4052	0.8971	0.9065
Viscosity, 40 °C	cSt	ASTM D 445	206,1	431,6
Viscosity, 100 °C	cSt	ASTM D 445	17,73	29,46
Viscosity Index	-	ASTM D 2270	93	93
Pour Point	°C	ASTM D 97	-12	-6
Flash Point	°C	ASTM D 92	240	248

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Packages

- 16 L
- 200 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DISCUSS SERIES GL-1 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROGRESS CM SERIES

Multi-Purpose Greases

PRODUCT DESCRIPTION

PROGRESS CM SERIES; are calcium soap dark green colored greases that are produced with high quality mineral base oils and cohesion enhancing additive packages. They can be used in various application areas at low and medium operating temperatures. Recommended to use at roller bearings and hydraulic turbines at temperatures that are not exceeding 70 ° C and automotive applications at temperatures that are not exceeding 65 ° C.

ADVANTAGES

- Resistant to wear and corrosion.
- Provides excellent protection by adhering to the surface due to fibrous structure.
- Decrease waste and provide safety due to ease of application.
- High resistance against water.

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values			
			CM 0	CM 1	CM 2	CM 3
NLGI	-	ASTM D 217	0	1	2	3
Soap Type	-	-	Calcium	Calcium	Calcium	Calcium
Base Oil Type	-	-	Mineral	Mineral	Mineral	Mineral
Worked Penetration, 25 ° C	mm/10	ASTM D 217	355-385	310-340	265-295	220-250
Color	-	Visual	Green	Green	Green	Green
Density, 15 ° C	g/cm ³	ASTM D 4052	0,98	0,98	0,98	0,98
Four Ball Weld Test	kgf	ASTM D 2596	160	160	160	160
Four Ball Wear Test, 40 kg 60 min.	mm	ASTM D 2266	0,75	0,75	0,75	0,75
Oil Separation	% m/m	ASTM D 1742	1	1	0,3	0,3
Water Washout	% m/m	ASTM D 1264	2,5	2,5	2,5	2,5
Dropping Point	° C	ASTM D 2265	>95	>95	>95	>95
Recommended Working Temperatures	° C	-	-9/+70	-9/+70	-9/+70	-9/+70

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 0,9 kg
- 4 kg
- 14 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROGRESS CM SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROGRESS MP SERIES

Multi-Purpose Greases

PRODUCT DESCRIPTION

PROGRESS MP Series, are multi-purpose calcium soap greases, that have excellent performance in automotive applications. Provide rapid and effective lubrication on low and medium working temperatures at a variety of application area.

ADVANTAGES

- Provide effective protection at systems that exposed to water.
- Economical due to multi-purpose usage.
- High resistance against heat and wear.
- Provide long service life by increasing usage period with its qualified formulation.

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values			
			MP 0	MP 1	MP 2	MP 3
NLGI	-	ASTM D 217	0	1	2	3
Soap Type	-	-	Calcium			
Base Oil Type	-	-	Mineral			
Worked Penetration, 25 °C	mm/10	ASTM D 217	355-385	310-340	265-295	220-250
Color	-	Visual	Light yellow			
Density, 15 °C	g/cm ³	ASTM D 4052	0,98	0,98	0,98	0,98
Oil Separation	% m/m	ASTM D 1742	2,1	2,2	2,6	2,1
Water Washout	% m/m	ASTM D 1264	4,2	4,1	4,1	4,3
Dropping Point	°C	ASTM D 2265	>95	>95	>95	>95
Recommended Working Temperatures	°C	-	-9/70	-9/70	-9/70	-9/70

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 4 kg
- 14 kg
- 180 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROGRESS MP SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROGRESS RD SERIES

General Purpose Greases

PRODUCT DESCRIPTION

PROGRESS RD SERIES are red colored greases that are formulated for general purpose usage of vehicles and heavy equipment plain bearings and chassis parts.

Thanks to their calcium soap formulation, they show effective performance in applications at low and moderate temperatures. They can be easily used at grease guns and centralized lubrication systems even at cold air with easy pumpability features

ADVANTAGES

- High resistance to water exposure.
- Provide safety due to general purpose usage feature.
- Provide resistance against wear and corrosion formation.
- Provide economic usage in automotive applications at regular working conditions.

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values	
			RD 2	RD 3
NLGI	-	ASTM D 217	2	3
Soap Type	-	-	Calcium	Calcium
Base Oil Type	-	-	Mineral	Mineral
Worked Penetration, 25°C	mm/10	ASTM D 217	265-295	220-250
Color	-	Visual	Red	
Density, 15°C	g/cm3	ASTM D 4052	0,98	0,98
Oil Separation	% m/m	ASTM D 1742	0,3	1
Water Washout	% m/m	ASTM D 1264	2,5	2,5
Dropping Point	°C	ASTM D 2265	>95	>95
Recommended Working Temperature	°C	-	-9/+70	-9/+70

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 4 kg
- 14 kg
- 180 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROGRESS RD SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROGRESS LM SERIES

Lithium Based Bearing Greases

PRODUCT DESCRIPTION

PROGRESS LM SERIES are lithium soap greases including antioxidant, anti-wear and rust inhibitor additives. They can be used in automobile lubrication and plain or rolling bearings at industrial working areas that do not require heavy lift. Provide economy by reducing the grease variety in the wide range applications of factories and vehicle fleets.

ADVANTAGES

- High resistance of wear and corrosion.
- Wide usage area.
- Operates at wide range of temperatures.
- High oxidation and load resistance.

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values			
			LM 0	LM 1	LM 2	LM 3
NLGI	-	ASTM D 217	0	1	2	3
Soap Type	-	-	Lithium	Lithium	Lithium	Lithium
Base Oil Type	-	-	Mineral	Mineral	Mineral	Mineral
Worked Penetration, 25 °C	mm/10	ASTM D 217	355-385	310-340	265-295	220-250
Color	-	Visual	100	100	100	100
Base Oil Viscosity	cSt	ASTM D 445	Light Brown	Light Brown	Light Brown	Light Brown
Density, 15 °C	g/cm ³	ASTM D 4052	0,89	0,89	0,89	0,89
Four Ball Weld Load	kgf	ASTM D 2596	200	200	200	200
Four Ball Wear Test 40 kg 60 min	mm	ASTM D 2266	0,5	0,5	0,5	0,5
Oil Separation	% m/m	ASTM D 1742	3	2,8	2,2	2
Water Washout	% m/m	ASTM D 1264	4,7	4,5	4,3	3,5
Dropping Point	°C	ASTM D 2265	>175	>185	>185	>185
Recommended Working Temperature	°C	-	-24/+120	-24/+120	-24/+120	-24/+120

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 15 kg
- 180 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROGRESS LM SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



PROGRESS LMX BLUE SERIES

Lithium Complex Greases

PRODUCT DESCRIPTION

PROGRESS LMX BLUE SERIES are special lithium complex soap greases that are formulated with new generation functional saponification technology. Soap structure is built on high quality base oils and contains oxidation inhibitors, corrosion and rust inhibitors, extreme pressure (EP) and anti-wear (AW) additives.

ADVANTAGES

Functionalized thickener-soap plays an active role to improve lubrication and prevent corrosion compared to other conventional greases. Soap exists in the grease to provide impermeability and create an oil cracker. At functionalized thickener soap mode, grease soap helps to fulfill the duties of lubricants and additives with high productivity by passing from passive mode to active mode.

“By using functionalized thickener (Soap);

- High thermal stability,
- Continuous oil film durability,
- Endurance to water and corrosive chemicals,
- Mechanical stability is provided.

Thanks to these characteristics

- Lifetime of rolling bearings extend
- Resistance to corrosion and rust
- Provides saving at grease consumption
- Perfect protection against water washout
- Reduce maintenance and labor cost
- Increase in production efficiency

APPLICATION

PROGRESS LMX BLUE SERIES are used in heavy-duty vehicles, long distance and continuous heavy loaded heavy equipment transportation and worksites, cement and mining applications. It also can be used as airscrew grease, winch rope grease and turret pin grease in marine applications. Thanks to its water and corrosion resistance, it can be used as open gear grease or rust inhibitor for keeping spare parts in open or closed areas.

PROGRESS LMX BLUE SERIES reduce wear formation caused by metal to metal contact with its extreme pressure characteristic. Thanks to this characteristic, they prevent scratch based wears and extends the lifetime of bearings.

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values	
NLGI	-	ASTM D 217	2	3
Soap Type	-	-	Lithium Complex	
Base Oil Type	-	-	Mineral	
Worked Penetration, 25 °C	mm/10	ASTM D 217	265 - 295	220-250
Color	-	Visual	Blue	
Density, 15 °C'de	g/cm ³	ASTM D 4052	0,89	
Base Oil Viscosity, 40 °C	cSt	ASTM D 445	220	
4-Ball Weld Test	kgf	ASTM D 2596	315	
4-Ball Wear Test, 40 kg 60 min	mm	ASTM D 2266	0,5	
Oil Separation	% m/m	ASTM D 1742	1	
Water Washout	% m/m	ASTM D 1264	1,6	
Dropping Point	°C	ASTM D 2265	>260	
Recommended Working Temperature	°C	-	-21 / 170	

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 15 kg
- 180 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, PROGRESS LMX BLUE SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



ANTIFREEZE ELC

Organic Based Extended Life Coolant

PRODUCT DESCRIPTION

ANTIFREEZE ELC is a high quality, extended life coolant produced with organic acid technology. Developed to be used in the radiators of the cooling systems of engines for four seasons. It is an environmentally friendly antifreeze with its formulation that is not containing Boron, Amine, Nitrate, Nitrite, Phosphate and Silicate. It can be safely use in cooling systems of engines made of copper, tin solder, brass, steel, cast iron and cast aluminum alloys.

ADVANTAGES

- It is suitable for all seasons use in cooling systems.
- It does not contain Boron, Amine, Nitrate, Nitrite, Phosphate and Silicate.
- It provides economy due to extended cooling life.
- It is more compatible than conventional antifreeze against hard water.
- It avoids residue and deposit formation and accumulation in radiator and water pump.
- It operates compatible with all sealing components.
- It does not damage engine metals and hoses.

APPROVALS AND SPECIFICATIONS

- | | | |
|------------------|-------------------|--------------|
| • TS 3582 | • MAN | • Cummins |
| • BS 6580 | • Renault Trucks | • Opel |
| • ASTM D 3306 | • Scania | • Ford |
| • ASTM D 4985 | • Deutz | • Volvo |
| • CUNA NC 856-16 | • Leyland | • Chrysler |
| • MB 325.3 | • VW, Audi, Skoda | • John Deere |

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values
Color	-	-	Red
Density 15,5 °C	g/cm ³	ASTM D 4052	1,12
Density 20 °C	g/cm ³	ASTM D 4052	1,11
Reserve Alkalinity (pH=5,5)	ml	ASTM D 1121	12,0
Freeze Point (50% with water)	°C	ASTM D 1177	-38,1
Boiling Point (50% with water)	°C	ASTM D 482	110
Boiling Point (100%)	°C	ASTM D 482	168
pH, 20 °C (%50 with water)	-	ASTM D 1287	9,81
pH, 20 °C (100%)	-	ASTM D 1287	9,59

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 3 L
- 16 kg
- 200 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, ANTIFREEZE ELC is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative. When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



ANTIFREEZE

4-Season Antifreeze

PRODUCT DESCRIPTION

ANTIFREEZE is a high qualified mono ethylene glycol based antifreeze that includes high performance additives for use in radiator in engine cooling systems. Thanks to its special formulation, it prevents freezing at cold climates and retards over heating at hot climates.

ADVANTAGES

- Prevents corrosion and electrolyze formation to extend service life of cooling system and get high performance.
- Shows high performance at all kinds of climate conditions.
- It can be compatible with all kinds of sealing elements. It does not have any harmful effects on engine equipment.

APPROVALS AND SPECIFICATIONS

- TS 3582
- Mercedes DBL 7700
- Afnor R 15/601 (F)
- BS 6580
- MAN 324
- CUNA NC 956-16 (I)
- SAE J 1034
- GM US 6277 M

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Color	-	-	Green
Density, 15,5 °C	g/cm ³	ASTM D 4052	1,12
Density, 20 °C	g/cm ³	ASTM D 4052	1,11
Reserved Alkalinity (pH=5,5)	ml	ASTM D 1121	10,0
Freezing Point (%50 diluted with water)	°C	ASTM D 1177	-37,5
Boiling Point (%50 diluted with water)	°C	ASTM D 482	110
Boiling Point (%100)	°C	ASTM D 482	164
pH, 20 @ °C (%50 diluted with water)	-	ASTM D 1287	10,10
pH, @20 °C (%100)	-	ASTM D 1287	9,94

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 1 L
- 3 L
- 16 kg
- 200 kg
- IBC

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, ANTIFREEZE is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



READY-TO-USE ANTIFREEZE

PRODUCT DESCRIPTION

READY-TO-USE ANTIFREEZE is a high qualified mono ethylene glycol based antifreeze that includes high performance additives for use in engine cooling systems. Thanks to its special formulation, it prevents freezing at cold climates and retards over heating at hot climates. It shows optimum performance in all kinds of vehicles with its ideal ready to use formulation.

ADVANTAGES

- To prevent possible mistakes in dilution with water, it has been formulated as “ready to use”. It prevents corrosion and electrolyze formation.
- Provide high performance and long service life during usage period.
- Shows high performance at all kinds of climate conditions.
- It can be compatible with all kinds of sealing elements. It does not have any harmful effects on engine equipment.

APPROVALS AND SPECIFICATIONS

- BS 6580
- SAE J 1034
- Afnor R 15/601 (F)
- CUNA NC 956-16 (I)

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Color	-	-	Blue
Density, 15,5 °C	g/cm ³	ASTM D 4052	1,069
Reserved Alkalinity (pH=5,5)	ml	ASTM D 1121	7,1
Freezing Point (100%)	°C	ASTM D 1177	-34
Boiling Point (100%)	°C	ASTM D 482	109
pH, @20 °C (50% dilution with water)	-	ASTM D 1287	10,12
pH, @20 °C (100%)	-	ASTM D 1287	9,99

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 3 L
- 16 kg
- 200 kg

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, READY-TO-USE ANTIFREEZE is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DOT 3 Hydraulic Brake Fluid

PRODUCT DESCRIPTION

DOT 3 is a synthetic based high performance hydraulic brake fluid that use in hydraulic brake systems and clutches.

ADVANTAGES

- Excellent impulse performance even at high temperatures.
- Thanks to its high oxidation resistance, it provides long service life.
- Provides maximum protection in brake systems by help of corrosion preventive additives.

APPROVALS AND SPECIFICATIONS

- SAE J1703
- ISO 4925
- FMVSS 116 DOT 3

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Density, @20 °C	g/cm ³	ASTM D 4052	1,09
Viscosity, @40 °C	cSt	ASTM D 445	7,86
Viscosity, @100 °C	cSt	ASTM D 445	2,04
Viscosity Index	-	ASTM D 2270	23
Flash Point	°C	ASTM D 92	122
Boiling Point	°C	ASTM D 1120	239

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 0,5 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DOT 3 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com



DOT 4 High Quality Hydraulic Brake System Fluid

PRODUCT DESCRIPTION

DOT 4 is a synthetic based high quality and high-boiling point hydraulic brake fluid designed to use in hydraulic brake systems and clutches.

ADVANTAGES

- Thanks to high viscosity index, it shows excellent impulse performance even at high temperatures.
- Superior oxidation resistance to provide long service life.
- Provides maximum protection in brake systems by help of corrosion preventive additives.

APPROVALS AND SPECIFICATIONS

- SAE J1703
- SAE J1704
- FMVSS 116 DOT 4
- ISO 4925

CHARACTERISTIC PROPERTIES

Test	Unit	Test Method	Typical Values
Density, 20 °C	g/cm ³	ASTM D 4052	1,07
Viscosity, 40 °C	cSt	ASTM D 445	7,846
Viscosity, 100 °C	cSt	ASTM D 445	2,150
Viscosity Index	-	ASTM D 2270	63
Flash Point	°C	ASTM D 92	130
Boiling Point	°C	ASTM D 1120	258

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.



ADDITIONAL INFORMATION

Package

- 0,5 litre

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, DOT 4 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative. When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com

GRAVITY SERIES

High-Performance Hydraulic System Oils

PRODUCT DESCRIPTION

GRAVITY SERIES; are superior quality hydraulic system oils produced by the addition of high quality paraffinic base oils, high stability oxidizing and anticorrosive additives. They provide high performance by ensuring excellent lubrication in piston or gear pumps and other hydraulic system equipment working under difficult conditions with the help of wear prevention and thermal stability providing additives.

ADVANTAGES

- Excellent protection for pieces of hydraulic system due to high anti-wear properties.
- High thermal stability.
- High filterability.
- Good air and water releasing properties.
- Very low foaming tendency.
- Good corrosion protection in the system.
- High oxidation stability.

APPROVALS AND SPECIFICATIONS

- DIN 51524 Part 1 ve 2 (HLP)
- ISO 11158 HM ve HL

CHARACTERISTIC PROPERTIES

Analysis	Unit	Analysis Method	Typical Values		
			ISO VS 32	ISO VS 46	ISO VS 68
Density, 15 °C	g/cm ³	ASTM D 4052	0,874	0,878	0,884
Viscosity, 40 °C	cSt	ASTM D 445	33,07	45,12	67,78
Viscosity, 100 °C	cSt	ASTM D 445	5,48	6,70	8,63
Viscosity Index		ASTM D 2270	100	101	98
Pour Point	°C	ASTM D 97	-21	-24	-27
Flash Point	°C	ASTM D 92	220	226	230
TAN	mg KOH/g	ASTM D 664	0,30	0,45	0,48
Copper Strip Corrosion		ASTM D 130	1a	1a	1a
Foaming Tendency, II.Seq	mL	ASTM D 892	20/0	20/0	20/0

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 16 L
- 20 L
- 200 L

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Shelf Life

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

Health and Safety

Based on the available information, GRAVITY SERIES are not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Safety Data Sheet" (SDS). SDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties have to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com