

| CACOLI | | | |
|--------|--------|-----|--|
| GASOLI | N = -N | шып | |

FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

FORMULA FS 0W/30 FULL SYNTHETIC

It is an all year multigade full synthetic motor oil with low viscosity and high stability. It inhibits deposit formation, reduces friction losses and protects against wear, creates beter engine performance for modern, and old engines. Most advanced motor oil of new generation, providing superior and long-lasting engine protection, especially for stop and go city traffic use.

PERFORMANCE LEVELS : API SL/CF-ACEA A3/B3- A3/B4-WW 502.00/503.01/505.00-MB 229.3/229.5- GM-LL-A-025/GM-LL-B-025

| TECH | INICAL | INFUR | MAHUNS |
|------|--------|-------|--------|
| | | | |

Kinematic Viscosity 100°C (cSt)

Viscosity Index (min) Flash Point (min) (°C) Pour Point (max) (°C)

9,3 - 12,6

150

200

-36

FORMULA FS 0W/40 FULL SYNTHETIC

It is an all year multigade motor oil with low viscosity and high stability. It inhibits deposit formation, reduces friction losses and protects against wear, creates beter engine performance for modern, and old engines. Most advanced motor oil of new generation, providing superior and long-lasting engine protection, especially for stop and go city traffic use.

PERFORMANCE LEVELS: API SL/CF -ACEA A3/B3,-A3/B4 VW 502.00/503.01/505.00 -MB 229.3/229.5

12,5 – 16,3

160

200

-36

ULTRA SS 5W/30 SEMI SYNTHETIC Semi synthetic motor oil and has been formulated with high-quality synthetic base oils and advanced additive technology. In all weather and road conditions, provides unique engine protection with high viscosity index. Satisfies all the requirements of gasoline, diesel and LPG passenger cars and vans. Shows excellent performance in all seasons.

PERFORMANCE LEVELS: API SL/CF -ACEA A3-99,B3-98 ISSUE 2- Daimler/Chrysler 229.1- Volkswagen 500.00/505.00 (1/97)

9,3 - 12,6

140

200



| GASOL | | |
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FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

ULTRA SS 5W/40 **SEMI SYNTHETIC**

Semi synthetic motor oil developed by formulation of superior quality synthetic additives and base oils. It is produced especially for the requirements of modern cars generating high power. It keeps the engine clean by reducing deposit and ash formation, It prevents the pressure losses and pro-longs the engine's lifetime. It provides economization by decreasing the oil and fuel consumption. It can be used in all vehicles with naturally aspirated and turbo-charged motors as well as vehicles with the latest technology catalytic converters.

100°C (cSt)

Index

Flash Point (min) (°C)

Pour Point (max) (°C)

PERFORMANCE LEVELS: API SL/CF - ACEA A3/B3, A3/

B4- VW 502.00/505.00- BMW Longlife 98 -MB 229.3

12,5 - 16,3

150

200

-33

PREMIUM SS 10W/30 SEMI SYNTHETIC

Semi synthetic motor oil formulated with high-quality base oils and advanced additive technology. Satisfies all the requirements of gasoline, diesel and LPG passenger cars and vans. Shows excellent performance in all season. Provides perfect engine protection in all weather and road

conditions with high viscosity index.
PERFORMANCE LEVELS: API SL/CF- ACEA A3-99,B3-98 ISSUE 2- Daimler/Chrysler 229.1

9.3 - 12.6

140

200

-27

PREMIUM SS 10W/40 SEMI SYNTHETIC

Low viscosity and high stability semi synthetic motor oil especially formulated to meet the high requirements of modern passenger car motors operating under different running conditions. Due to excellent lubrication feature it protects all equipments of the motor, reduces the formation of sludge and deposit therefore decreases maintenance costs by extending oil change intervals. In addition, it perfectly meets the needs of high speed and heavy load vehicles, working in extreme conditions such as long road

terms and stop and go intense city traffic use.
PERFORMANCE LEVELS: API SL/CF -ACEA A3/B4-VW

505.00

12,5 - 16,3150 200 -27



| GASOLINE ENGINE OILS | FEATURES & APPLICATIONS | | TECHNICAL IN | IFORMATIONS | |
|----------------------|---|---------------------------------------|-----------------------------|------------------------------|-----------------------------|
| | | Kinematic Viscosity 100°C (cSt) | Viscosity Index (min) | Flash Point (min) (°C) | Pour Point (max) (°C) |
| EXCELLUS 10W/40 | It is all-year motor oil suitable for all types of gasoline and diesel motors that operate under different working conditions. It provides effective performance with in oil change intervals by perfectly controlling lubrication function. It is suitable for all types of engines including turbochargers and catalytic converters. PERFORMANCE LEVELS: API SL/CF -MB 229.1-VW 505.00/505.01-ACEA A3/B3 | 12,5 - 16,3 | 130 | 200 | -27 |
| EXCELLUS 15W/40 | Produced by high-quality mineral base oils with high-per- formance additives. It can be used in high-speed motors. Especially suitable for passenger cars and stop-start type of commercial passenger vehicles motor oil. PERFORMANCE LEVELS: API SL/CF | 12,5 - 16,3 | 125 | 200 | -24 |



| GASOLINE ENGINE OILS | FEATURES & APPLICATIONS | | TECHNICAL IN | IFORMATIONS | |
|------------------------|---|---------------------------------------|-----------------------------|------------------------------|-----------------------------|
| | | Kinematic Viscosity 100°C (cSt) | Viscosity Index (min) | Flash Point (min) (°C) | Pour Point (max) (°C) |
| EXCELLUS 20W/50 | It is an all year motor oil for all types of modern and old vehicles operating under different running conditions. It keeps the oil system clean, creates better engine compression with less deposits and decreases fuel consumption. It is suitable for use in all types of motors including turbochargers and catalytic converters. PERFORMANCE LEVELS: API SL/CF -ACEA A3/B3-VW 505.00-MB 229 | 16,3 - 21,9 | 120 | 200 | -21 |
| LPG AUTO GAS 20W/50 | It is a four season high performance motor oil produced to fulfill the high performance requirements of passenger cars and vans motors working with compressed natural gas or liquid petroleum gas. Provides optimal engine performance and oil pressure at all speeds. By the support of its improved wear protection, it neutralizes the negative effects on the engine, prolongs the service life and stipulates longer oil change intervals. PERFORMANCE LEVELS: API SG/CD | 16,3 - 21,9 | 120 | 200 | -21 |



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FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

HITEC FS 5W/30 FULL SYNTHETIC

It is the fully synthetic high-performance, motor oil designed for long-term use in modern engines. It provides less pressure on the power transmission component and the result is fuel economization and at the same time extended service life with less maintenance cost. Thanks to its constant wide-range viscosity. It ensures an immediate lubrication property at cold start. Innovative technology provides green nature and clean environment responsibility with minimum harmful emissions.

PERFORMANCE LEVELS API CI-4/SL-MB 228.5/229.1-Mack EO-M-Volvo Vds-2

| Kinematic |
|-------------|
| Viscosity |
| 100°C (cSt) |

9.3 - 12.6

Viscosity Index (min) Flash Point (min) (°C) Pour Point (max) (°C)

228.5/229.1-

160

200

-33

HITEC FS 5W/40 FULL SYNTHETIC

It is the synthetic motor oil with finest additives formulation for passenger cars and light diesel vehicles. Meets all the requirements of modern diesel motors. Unique performance in four seasons. In all weather and road condition, provides unparalleled protection in motor with high viscosity index.

PERFORMANCE LEVELS API CI-4/SL-Renault RVI RXD-Volvo VDS-2/VDS-3-WB 228.5 12,5 - 16,3

150

200

-33

HITEC FS 10W/30 FULL SYNTHETIC

It is ultra high – performance. Fully synthetic diesel motor oil formulated with the latest technology. It shows excellent performance in modern diesel vehicles and long mile engaged trucks.

PERFORMANCE LEVELS API CI-4/SL- Renault RVI RXD-Volvo VDS-2/VDS-3-WB 228.5 9,3 – 12,6

140

200



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FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

HITEC FS 10W/40 FULL SYNTHETIC

It is four season multigrade motor oil for modern gasoline and diesel motors that operate under different running conditions. Special combination of latest additives technology with synthetic oils insures special features for optimum performance against wear, corrosion and deposit formation. The product is fortified against negative effects of high temperature, high pressure, continuous long-term use. It is suitable for use in all types of engines incuding turbochargers and catalytic converters.

PERFORMANCE LEVELS API CI-4/SL-MB 228.5/229.1-Volvo Vds-2-DAF Mtv Type 2+3-Scania Ldf-MAN 32

Kinematic Viscosity
Viscosity Index
100°C (cSt) (min)

Flash Point (min) (°C) Pour Point (max) (°C)

12,5 - 16,3

150

200

-27

EXTRA SS 5W/30 SEMI SYNTHETIC It is semi synthetic motor oil formulated with quality additives for passenger cars and light diesel vehicles. Meets all the requirements for diesel engines that are produced with modern methods. Unique performance in the four seasons. In all weather and road condition, provides unparalleled protection in motor with high viscosity index.

PERFORMANCE LEVELS: API CI-4/SL- API Renault RVI RXD- Volvo VDS-2/VDS-3- WB 228.5

9,3 - 12,6

160

200

-33

EXTRA SS 5W/40 SEMI SYNTHETIC Semi synthetic motor oil with enriched Formula for commercial light duty diesel vehicles . Minimizes negative effects of average load, continuous drive and intense city traffic, stop and go, sudden acceleration or brake and short term use. It provides saving in fuel consumption and maintenance cost, protection for extreme heat and cold start. Detergent additives ensure optimum engine performance during all year by preventing harmful deposit formation. PERFORMANCE LEVELS API CI-4/SL-ACEA E3/B3/B4-MB 228.3-MAN M-3275-Volvo Vds-2

12,5 - 16,3

150

200



Pour

Point

| FSFL | | |
|------|--|--|
| | | |
| | | |

FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

EXTRA SS 10W/30 SEMI SYNTHETIC It is semi synthetic motor oil produced with finest additives for passenger cars and light diesel vehicles. Meets all the requirements for diesel motors that are produced with modern methods. Unique performance in four seasons. In all weather and road condition, provides unparalleled protection in motor with high viscosity index.

PERFORMANCE LEVELS API CI-4/SL-Renault RVI RXD-Volvo VDS-2/VDS-3-WB 228.5

| IECH | NICALI | INFUR | MAHUNS |
|------|--------|-------|--------|
| | | | |

Flash

Point

| 100°C (cSt) | (min) | (min) (°C) | (max) (' |
|-------------|-------|------------|----------|
| | | | |
| 0.2 12.6 | 140 | 200 | 27 |
| 9,3 – 12,6 | 140 | 200 | -27 |

Viscosity

Index

Kinematic

Viscosity

EXTRA SS 10W/40 SEMI SYNTHETIC It is the semi-synthetic motor oil formulated with high quality base oils and ultimate additives. It creates better wear control in low and high temperature. It provides fuel and oil economy. Formulation is fortified by additional additives which neutralize acid formation due to diesel fuel. The result is reduction in corrosion, less deposit formation and friction. It decreases maintenance costs by longer service intervals. Effective detergent and dispersant additives keep the motor clean and allow less exhaust emissions for the environmental care. Compatible with turbo chargers or catalytic converters.

PERFORMANCE LEVELS API CI-4/SL-ACEA E7/E5-MB 228.3-Volvo Vds-3-Renault RLD 2

| 12,5 - 16,3 | 140 | 200 | -27 |
|-------------|-----|-----|-----|
| | | | |

TURBO 10W/40

It is super high performance diesel engine oil formulated with high quality base oil and advanced additive technology. It provides excellent engine cleanliness. Thanks to quality additives in formulation no foam occurs. It is a four season motor oil and suitable for all diesel vehicles which are working under heavy duty conditions.

PERFORMÁNCE LEVELS APÍ CI-4/SL - Volvo VDS-2-MB 228.3/MB 229.1 - MAN M 3275 - Mack EO-M Plus

| 12,5 – 16,3 | 145 | 200 | -27 |
|-------------|-----|-----|-----|
| | | | |



| DIESEL ENGINE OILS | FEATURES & APPLICATIONS | TECHNICAL INFORMATIONS | | | | |
|------------------------|---|---------------------------------------|-----------------------------|------------------------------|-----------------------------|--|
| TURBO SHPD | High performance diesel motor oil with low viscosity, high stability for all year use produced to meet the latest requirements of all modern motors. It suits for fleet including high motor power for heavy loads. It shows excellent performance against wear, corrosion and deposit formation. | Kinematic Viscosity 100°C (cSt) | Viscosity Index (min) | Flash Point (min) (°C) | Pour Point (max) (°C) | |
| 15W/40 | High quality additives ensure long service intervals and high performance during even hard environmental conditions. PERFORMANCE LEVELS: API CI-4/SL- ACEA A3/B4-MB 228.3/229.1-Allison C4-Volvo Vds-3-MTU DDC Type 2-MAN M-3275-CAT ECF-1-MACK EO-M, EO-M Plus | 12,5 - 16,3 | 140 | 200 | -24 | |
| PRESTIGE 15W/40 | High performance diesel motor oil with low viscosity,high stability for all year use produced to meet the latest requirements of all modern motors. It suits for fleet including high motor power for heavy loads. It shows excellent performance against wear, corrosion and deposit formation. High quality additives ensure long service intervals and high performance during even hard environmental conditions. PERFORMANCE LEVELS: API CF-4/SJ -ACEA A3/B4-MB 228.3/229.1-Allison C4-Volvo Vds-3-MAN M-3275-MACK EO-M,EO-M Plus | 12,5 - 16,3 | 125 | 200 | -24 | |
| PRESTIGE 20W/50 | It is an all year motor oil for all types of modern and old diesel motors. It suits for fleet which has high motor power for heavy loads. Special combination of high quality base oil with latest additive technology insures unique properties by providing highest oil stability. It is suitable for use in all types motorsincluding turbochargers. PERFORMANCE LEVELS: API CF-4/SJ-ACEA E2/B2-MB 228.1 | 16,3 - 21,9 | 128 | 200 | -21 | |
| SUPER DIESEL 20W/50 | It is high performance diesel and gasoline engine oil suitable for fleet and trucks which have high motor power for heavy loads. PERFORMANCE LEVELS: API CD/SF | 16,3 - 21,9 | 120 | 200 | -21 | |



Flash

Pour

| FSFI | | |
|------|--|--|
| | | |
| | | |

FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

Viscosity

SAE

Kinematic

CLASSIC HDX

It is prepared with base oils and quality additives that are obtained by modern refining processes. Developed for diesel and gasoline vehicles that are working under difficult conditions. Keeps the motor clean in all weather and road conditions. Protects against oxidation, abrasion and corrosion.

PERFORMANCE LEVELS: API CD/SF. US Military: MIL-L-2104 C

| NO | Viscosity 100°C (cSt) | Index (min) | Point (min) (°C) | Point (max) (°C) |
|----|--------------------------|----------------|---------------------|---------------------|
| 10 | 5,0 - 5,7 | 100 | 200 | -12 |
| 30 | 9,3 - 12,6 | 100 | 200 | -12 |
| 40 | 12,5 - 16,3 | 120 | 200 | -12 |

CLASSIC HD

Mono grade motor oil for the general use in all types of passenger and commercial diesel engines with normally aspirated or turbo charged engines. It is fortified with additive packages and anti foaming agents to provide high performance. Monograde motor oils are not suitable for all year use therefore they have to be changed according to season and temperature conditions. It contains film stability for being able to use in hydraulic systems. Provides thermo stability, engine cleanliness, good cold start. Prevents from black sludge formation. Compatible with all synthetic, semi synthetic and mineral based motor oils. PERFORMANCE LEVELS: API CC/SC

| 10 | 5,0 - 5,7 | 100 | 200 | -12 |
|----|-------------|-----|-----|-----|
| 30 | 9,3 – 12,6 | 100 | 200 | -12 |
| 40 | 12,5 - 16,3 | 120 | 200 | -12 |



| DIESEL ENGINE OILS | FEATURES & APPLICATIONS | TECHNICAL INFORMATIONS | | | | | |
|--------------------|--|------------------------|---------------------------------------|-----------------------------|------------------------------|-----------------------------|--|
| | | SAE NO | Kinematic Viscosity 100°C (cSt) | Viscosity Index (min) | Flash Point (min) (°C) | Pour Point (max) (°C) | |
| | | 10 | 5,0 – 5,7 | 100 | 200 | -12 | |
| CLASSIC H | Mono grade motor oil for the general use of all types of passenger cars and commercial cars with diesel motors. Monograde engine oils are not suitable for all year use therefore they have to be changed according to season and temperature conditions. PERFORMANCE LEVELS: API CA/SA | 30 | 9,3 – 12,6 | 100 | 200 | -12 | |
| | | 40 | 12,5 - 16,3 | 120 | 200 | -12 | |

MOTORCYCLE OILS



| MO | | |
|----|--|--|
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FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

RACING 4T FS 10W/40 FULL SYNTHETIC It is high-performance, fully synthetic motor oil developed for four-stroke engines. It can be used on wet plate clutches and specially formulated to meet the needs of the world's leading motorcycle manufacturers. Provides excellent protection, easy working and smooth lubrication in cold weather.

PERFORMANCE LEVELS: API SL- JASO MA

| | | I/N |
|------|--|-----|
| | | V |
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| late | | |
| the | | |
| rel- | | |

Viscosity Index (min) Flash Point (min) (°C) Pour Point (max) (°C)

12,5 - 16,3

o°C (cSt)

150

195

-27

RACING 4T SS 10W/40 SEMI SYNTHETIC It is high-performance, semi synthetic motor oil developed for four-stroke engines. It can be used on wet plate clutches and specially formulated to meet the needs of the world's leading motorcycle manufacturers. Provides excellent protection, easy working and smooth lubrication in cold weather.

PERFORMANCE LEVELS: API SL- JASO MA

12,5 - 16,3

150

195

-27

RACING 4T 15W/40

It is high-performance, semi synthetic motor oil developed for four-stroke engines. It provides strong oil coating on engine parts with high wear protection against thermal pressure in a wide range of temperature. Thanks to high quality additives in its formulation it improves engine performance by reducing deposit formation, rust, corrosion and foaming. It decreases negative effects of long or high speed drive, intense city traffic, stop and go, sudden acceleration and brake or short distance usage. Wet clutch compatible.

PERFORMANCE LEVELS: API SL- JASO MA

12,5 - 16,3

125

195



MOTORCYCLE OILS

| MilPe | | | | | | |
|------------------|---|---------------------------------------|-----------------------------|------------------------------|-----------------------------|--|
| MOTORCYCLE OILS | FEATURES & APPLICATIONS | TECHNICAL INFORMATIONS | | | | |
| | It is a mineral-based oil formulated with base oil which is obtained with modern rafinal operations, and high quality addition for four stroke applies. It shows making the | Kinematic Viscosity 100°C (cSt) | Viscosity Index (min) | Flash Point (min) (°C) | Pour Point (max) (°C) | |
| RACING 4T 15W/50 | ity additives for four-stroke engines. It shows maximum performance with high viscosity index in wide temperature | | 155 | 195 | -24 | |
| RACING 4T 20W/50 | It is formulated with selected base oils and ultimate additive technology for four stroke motorcycles engines. It provides high protection against thermal pressure. It contains superior lubricity and detergent additives providing effective protection against, corrosion, rust and oxidation. PERFORMANCE LEVELS: API SL-JASO MA | 16,3 - 21,9 | 125 | 195 | -21 | |
| RACING 2T | Motocycle oil produced with combination of base oils and special additives developed for the demand of two stroke engines with seperate or oil in gasoline lubrication. PERFORMANCE LEVELS: API TC | 8,6 | 98 | 200 | -13 | |



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FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

TRANSMISSION OIL FS 75W/90

It is fully synthetic, high performance gear oil developed for use in passenger cars', heavy vehicles' and construc-tion equipments' gearboxes(with or without synchro-mesh) and differentials. It provides efficient lubrication and superior oxidation resistance at high temperatures without losing its property. Its extreme pressure (EP) feature protects the equipment against corrosion even at sudden load shocks, and minimizes maintenance costs.

PERFORMANCE LEVELS: API GL-4 / API GL-5 / MIL-PRF-2105E-/MIL-L-2105D /SAE J 2360 / MACK GO-I / MAN M-3343 Type S

Kinematic Viscosity 100°C (cSt)

Viscosity Index (min)

Flash Point (min) (°C)

Pour Point (max) (°C)

13.5 - 24

155

200

-25

TRANSMISSION OIL SS 75W/90

It is high-performance, multi-grade semi synthetic oil that is used in lubrication of heavy-duty gears. Suitable for axles, reduction gears, synchronized & not synchronized manual gearboxes.

PERFORMANCE LEVELS: API GL-4 / API GL-5

13.5 - 24

155

200

-25

TRANSMISSION OIL 75W/80

It is mineral based automotive gear oil designed for passenger cars' buses', heavy duty trucks' manuel gear boxes, transmissions and rear axles use. Through its high viscosity index it provides superior lubrication even in wide temperature ranges. Extreme pressure (EP) additives prolong gear box life. Excellent thermal stability creates oxidation and corrosion protection even in high temperatures and makes the gear change easier in cold weather. Low viscosity feature provides fuel economization.

PERFORMANCE LEVELS API GL-4 / PSA: PEUGEOT / **CITROEN B 71 2330**

7 - 13.5

155

200



GEAR AND TRANSMISSION OILS

FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

160

GEAR OIL

Multi-functional gear oil formulated with tle latest technology additives and base oil to meet the lubrication and performance requirements of front-rear differentials, transfer boxes, transaxles, manual transmissions, oil lubricated wheel bearings and steering gear boxes. It is recommended for passenger cars, light or heavy construction equipments and industrial machinery operating under high speed/shock load, low speed/high torque. It is suitable for four season use and also it performs extreme resistance against oxidation. Its sheer stable structure and extreme pressure (EP) feature creates a thick film layer against wear formation, prolongs equipment life.

| AE | Kinematic | |
|-----|-------------|--|
| NO. | Viscosity | |
| | 100°C (cSt) | |

Viscosity Index (min)

Flash Point (min) (°C)

Pour Point (max) (°C)

GL 5

PERFORMANCE LEVELS: API GL-5- MT-1- Scania STO:1

85W/140

80W/90

160

200

200

-15

-20

GEAR OIL GL 4

It is mineral gear oil that contains extreme pressure additives. It is produced for transmission, differential and gear boxes that are exposed to excessive load while working under average torque, high speed conditions. With its rust, oxidation and corrosion protective properties makes the gears remain clean and prolongs the equipment life. PERFORMANCE LEVELS: API GL-4- MIL-L-2105

80

90

140

7 - 13.5

13.5 - 24

24 - 41

13.5 - 24

24 - 41

100

100

100

100

100

200

-12

200 -10

-5

GEAR OIL GL 1

It is mono grade mineral based gear oil developed for differentials, transmissions and gear boxes of automobiles, heavy vehicles and construction equipments that are not working under high pressure. It keeps the equipments clean by preventing the formation of deposits with its oxidation stability.

PERFORMANCE LEVELS: API GL-1

80 7 - 13,590 13,5 - 24

100

200 200

200

-10

-12

200



Pour

| | G | EΑ | R | A | N | D | | |
|------|---|----|----|----|---|---|----|----|
| TRAN | S | M | IS | SI | o | N | OI | LS |

FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

Flash

Viscosity

Kinematic

It is general use oil that meets the requirements of gear-box, axle, transmissions, hydraulic systems and wet brakes of mainly agricultural and forestry machinery. It decreases fuel consumption. Friction improver additives ensure **KFLD 422** smooth and quiet braking. Thanks to its high viscosity index it can be used for four seasons. It keeps the system clean against deposit formation, foaming and minimizes maintenance costs. PERFORMANCE LEVELS: API CF-4/GL-4-FORD-ESEN

M2C 86B-MASSEY FERGUSON CMS M1135

Viscosity Index Point Point 100°C (cSt) (max) (°C) (min) (min) (°C) 7 – 11 100 210 -30

ATF DEXRON III

Multipurpose power transmission fluid produced for light & heavy passenger & commercial vehicles' steering wheels, some of the manual transmissions and hydraulic systems. It protects automatic transmissions against the formation of varnish, sludge, foam and harmful deposits. With its high viscosity index, it shows full performance while maintaining its fluidity in low temperatures and its lubrication ability in high temperatures. Due to its contents of rust, corrosion and oxidation inhibiting additives, it extends the equipment life in automatic transmission system. PERFORMANCE LEVELS: MAN 339 Z1+V1- MB 236.9-

Volvo STD 1273.41 (97341)



| GEAR AND TRANSMISSION OILS | FEATURES & APPLICATIONS | | TECHNICAL IN | NFORMATIONS | |
|-------------------------------|---|---------------------------------------|-----------------------------|------------------------------|-----------------------------|
| | | Kinematic Viscosity 100°C (cSt) | Viscosity Index (min) | Flash Point (min) (°C) | Pour Point (max) (°C) |
| ATF DEXRON II | It is combination of excellent base oils with special additives which provide thermal and oxidation stability, rust, corrosion and wear protection. By its thermal stability feature it minimizes the friction caused by operating in different weather conditions, so it ensures smooth and quiet operation at all speeds and also prevents shudder. By forming a protective oil layer, it ensures an excellent lubrication which results in longer transmission life and high performance during all year long. PERFORMANCE LEVELS: MAN 339 Z1+V1, MB 236.9, Volvo STD 1273.41 (97341) | 7,4 | 160 | 180 | -39 |
| ATF DEXRON | It is produced for the passenger vehicles', light- heavy commercial vehicles' steering wheels, transmissons and hydraulic systems. It contains additives providing high oxidation resistance, low friction and protection against foam, rust, corrosion formation. PERFORMANCE LEVELS: MAN 339 Z1+V1 | 7,7 | 140 | 180 | -30 |



INDUSTRIAL OILS

FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

MILLUS HYDRAULIC SYSTEM OILS It is used as pressure oils in hard working hydraulic systems to defeat the effects of high pressure and high load. It contains ingredients which increase the levels of aging stability and corrosion protection. Due to special anti wear additives and rust inhibitors it provides optimum protection for expensive equipments. It reduces maintenance costs by extending drain interval. It has excellent water separating properties to minimize the formation of emulsions.

INDUSTRIAL GEAR OILS

High quality industrial gear box oil developed for gear systems requiring extreme pressure feature. It provides protection against scratch, wear and micro pitting by preventing the friction that may ocur on the surface of gears. It helps the gears to work more efficiently, It provides maximum protection against wear during the first start at low temperatures. As it certainly does not mix with water when they are in contact, it provides excellent protection against rust, corrosion and formation of foam.

COMPRESSOR OILS

High performance compressor oil for the lubrication and cooling needs of screw, vane and reciprocating air compressors used in industrial, commercial and special cooling systems. Even at low temperatures it does not become slimy, at high air output removes the possibility of explosion and fire by minimizing the formation of carbon related to the oxidation. 68 is designed for the screw and vane compressors, 220 is designed for reciprocating compressors.

| TECHNICAL INFORMATIONS | | | | | | |
|------------------------|--------------------------------------|-----------------------------|------------------------------|-----------------------------|--|--|
| SAE NO | Kinematik Viscosity 40°C (cSt) | Viscosity Index (min) | Flash Point (min) (°C) | Pour Point (max) (°C) | | |
| 32 | 28,8 – 35,2 | 95 | 190 | -6 | | |
| 46 | 41,4 - 50,6 | 95 | 190 | -6 | | |
| 68 | 61,2 - 74,8 | 95 | 190 | -6 | | |
| 100 | 90 - 110 | 95 | 190 | -6 | | |
| 68 | 61,2 - 74,8 | 98 | 190 | -24 | | |
| 100 | 90 – 110 | 95 | 190 | -24 | | |
| 150 | 135 – 165 | 120 | 190 | -22 | | |
| 220 | 198 – 242 | 120 | 190 | -18 | | |
| 320 | 288 – 352 | 120 | 190 | -12 | | |
| 460 | 414 - 506 | 120 | 190 | -12 | | |

| 32 | 28,8 - 33,5 | 90 | 180 | -12 |
|----|-------------|----|-----|-----|
| 46 | 41,4 - 47,5 | 90 | 190 | -12 |
| 68 | 61,2 - 74,8 | 90 | 230 | -20 |



| INDUSTRIAL OILS | FEATURES & APPLICATIONS | TECHNICAL INFORMATIONS | | | | | |
|-----------------|---|---------------------------------------|--------------------------------------|-----------------------------|------------------------------|-----------------------------|--|
| TEXTILE OIL | It is formulated with special additives and quality base oils obtained with modern refining processes. It makes the lu- | Kinematic Viscosity 100°C (cSt) | Kinematic Viscosity 40°C (cSt) | Viscosity Index (min) | Flash Point (min) (°C) | Pour Point (max) (°C) | |
| TEXTILE OIL | brication task on various machines used in textile industry and provides protection for a long time. | 4 | 19,8 | 95 | 170 | -15 | |
| BLEND OIL | Blend Oil is formulated with combination of high quality paraffanic base oils, appropriate additives and emulsifiers. It is used in cotton and woolen industry for production of yarns, in spinning machines that transforms the wool and synthetic fibers into yarns. Its feature of easily dissolution in water enables the yarns to be combed and to be washed easily, It can be easily seperated from fabric when it is washed. Its antistatic feature reduces formation of static electricity. It is used by forming an emulsion with water. | 3,8 | - | - | 200 | -15 | |
| DAMPER OIL | It is qualified oil formulated from mineral based quality base Oils for lubrication in truck damper. | 4-7 | - | 95 | 210 | -18 | |
| SAW OIL | It is qualified oil formulated with mineral base oils. It ensures a perfect lubrication in saw machines that are used in wood cutting. | 4-7 | - | 100 | 220 | -18 | |
| MOLD OIL | High quality oil used for the lubrication of steel, plastic and wooden molds in the construction sector and concrete industry. With its low viscosity, it creates a thin film layer in the mold and ensures a smooth surface by preventing the concrete sticking to the mold. In addition, by not leaving residue within the mold, it eliminates the need for cleaning and enables them to be used again. It prevents corrosion of metal parts such as nails and iron. | - | 7 - 10 | 100 | 200 | -10 | |



INDUSTRIAL OILS

FEATURES & APPLICATIONS

TECHNICAL INFORMATIONS

SLIDE OIL

It is produced for workbenches and trays running under heavy loads. It minimizes friction between surfaces of all horizontal or vertical slide ways and it also allows them to work properly, continuous, flicker free and silence even under heavy load. By its excellent sliding feature and low pour point it does not drip and allows the slides to run efficiantly for a long time.

SAE Kinematic
NO Viscosity
100°C (cSt)

Viscosity Index (min)

Flash Point (min) (°C) Pour Point (max) (°C)

2

8,8 19,5 95 95 220

-12 -9

INDUSTRIAL OILS

FEATURES & USES AREA

TECHNICAL INFORMATIONS

CUTTING OIL

High quality cutting oil for all kinds of metal processing operations such as cutting, drilling and threading. It can be used for cast, steel and aluminum alloys. It reduces the chip formation and loss of metal and increases the production efficiency. It extends the cutting tools life by preventing wear that may occur on the tools. However, it should be taken into account that sulphur content of extreme pressure additives can leave stains on the yellow metals. It prevents metal to metal knitting. As it is suitable for multi purpose use reduces the product variety and minimizes the production costs.

Kinematic Viscosity 100°C (cSt) Viscosity İndex (min) Flash Point (min) (°C) Pour Point (max) (°C)

4-5

110

186

-21

HEAT TRANSFER OIL

High performance heat transfer oil for the systems that needs thermal conductivity such as food, plastics, building materials, paint industries. Its high thermal stability prevent from oxidation, and deposit formation that may occur in extreme temperatures. Due to its high viscosity index caused by its paraffinic feature the evaporation is less in high temperatures and it provides comfort by making circulation in low temperatures. During usage, heat transfer oil temperature should not be more than 320 °C and the oil film temperature should not exceed 340 °C, therefore the circulation must be initiated before heating and should be maintained at least two hours. The heating pipes should not be contacted with direct flame to prevent molecular cracking due to sudden temperature rises. An expansion tank must be located at the top of the system due to expansion capability of heated mineral Oils. The temperature of the oil in this tank should not exceed 60 °C. The first heating up to 110 °C should be done slowly; the water vapor and trapped air should be discarded out through the ventilation valves.

5-7

100

217



| MILPE | | | | | |
|-----------------|--|---------------------------------------|---------------------------------|--------------------------|------------------------|
| INDUSTRIAL OILS | FEATURES & APPLICATIONS | | TECHNICAL IN | IFORMATIONS | |
| | | Kinematic Viscosity 100°C (cSt) | Density g/cm3 (min – max) | Emulsion Test 95/5 | Emulsion Appearance |
| BORON OIL | Multi purpose metal working oil which is used by mixing with water. Besides its usage as lubricant and coolant in cutting, drilling, grinding operations of metals such as steel, aluminum, cast iron and copper alloys, it is suitable for the usage of light, medium and heavy metal removal operations. It provides a long emulsion life by reducing the growth of bacteria. It protects the metal surface against rust and corrosion. It keeps the surfaces clean and smooth. It protects its performance even in harsh water hy its emulsion stability. To get the hest result, 5 – 10 % of product should be added slowly in to water. It should never be applied adding the water into the oil. | 4,5 | 0,890 | Stable | Milky White |

BRAKE FLUIDS



| BRAKE FLUIDS | FEATURES & APPLICATIONS | | TECHNICAL IN | IFORMATIONS | |
|--------------|--|---------------------------------------|---------------------------------------|--------------------------------|---------------|
| | | Kinematic Viscosity 100°C (cSt) | Kinematic Viscosity -40°C (cSt) | Specific Gravity (g/cm3) | pH (%50 vol.) |
| DOT 4 | Brake systems in vehicles have great vital importance. So brake fluids are especially designed to meet the requirements of high temperature operations causing oxidation | 2,1 | 1400 | 1,04 | 8,0 |
| DOT 3 | brake fluids are especially designed to meet the requirements of high temperature operations causing oxidation and corrosion on metallic brake components. High boiling points ensure excellent safety also in ABS brake systems. It is supported by ultimate additives increasing the lifetime of hydraulic brake and clutch systems. | 1,4 | 1350 | 1,03 | 9,8 |



ANTIFREEZES

| ANTIFREEZES | FEATURES & APPLICATIONS TECHNICAL INFORMATIONS | | | |
|------------------|---|--------------------|------------------------|---------------------|
| | | Density (g/cm3) | Freezing Point (°C) | Colour |
| PLUS ANTIFREEZE | It is formulated by mixture of high tech corrosion preventive additives. It provides better long term operations against rust, corrosion and wear in cooling systems and it protects radiator water against freezing in cold weather and boiling in hot weather conditions. It can be used in all | 1,13 | -37 | Green / Blue / Pink |
| SUPER ANTIFREEZE | against rust, corrosion and wear in cooling systems and it protects radiator water against freezing in cold weather and boiling in hot weather conditions. It can be used in all type of radiators. Note:When use SUPER ANTIFREEZE, dilute with water. | 1,13 | (1/1) -37 | Green / Blue / Pink |

ENGINE OIL CLASSIFICATIONS (API)

sion control and oil consumption property is more.

Oils have been classified according to performances by American Petroleum Institute (API) in 1960. Accordingly, motor oils have been divided into two groups as gasoline engines "S" and diesel engines "C". According to developed engine technology, each group has been classified as A, B, C and etc. letters.

| engines "C". | engines "C". According to developed engine technology, each group has been classified as A, B, C and etc. letters. | | | | | |
|-------------------|--|--|--|--|--|--|
| Gasoline E | ingine Oil API Quality Classification | | | | | |
| API Service Class | Definition | | | | | |
| SA | Pure mineral oil. Recommended for older engines, which are working with additive-free oil. | | | | | |
| SB | Detergent additive-free oil, contains a small amount of oil additive that prevents oxidation and bearing corrosion. When suggest by the car manufacturer, should be used. | | | | | |
| sc | Designed for the requirements of 1964-1967 model vehicles. Prevents rust, oxidation, corrosion and abrasion. Provides deposit control. | | | | | |
| SD | Designed for the requirements of 1968-1970 model vehicles. More superior than SC, prevents abrasion, oxidation, rust and corrosion. Provides better deposit control and resistants than SC. | | | | | |
| SE | Designed fort he requirements of 1971-1979 model vehicles. More superior than SD, prevents abrasion, oxidation, rust and corrosion. Provides better deposit control than SD. | | | | | |
| SF | In 1980, passed the American automobile manufacturers warranty tests. More superior than SE, Prevents abrasion, oxidation rust and corrosion. Provides deposit control than SE. | | | | | |
| SG | In 1989, passed the American automobile manufacturers warranty tests. More superior than SF. Prevents abrasion, oxidation rust and corrosion. Provides deposit control than SF. Meets the CC diesel engine oil category of | | | | | |
| | API. In this category oils are used, when recommended by API SE, SF, SF/CC and SE/CC category engines. | | | | | |
| SH | In 1994, passed the American automobile manufacturers warranty tests. In addition to the SG's performance; test and production is made appropriate according to CMA (Chemical Manufacturers Association) product approval code. | | | | | |
| SJ | Designed for the requirements of 1997 model vehicles. In addition to SH's performance; less volatile, more compliant with catalyst, low temperature properties are higher. | | | | | |
| SL | Designed fort he requirements of 2001-2002 model vehicles. Also, it can be used in vehicles that manufactured before. At high temperature, provides better deposit control and low oil consumption. | | | | | |
| Diesel Eng | ine Oil API Quality Classification | | | | | |
| API Service Class | Definition | | | | | |
| CA | Published in 1940; designed for older diesel engines that usually working in mild conditions and use good quality fuel. | | | | | |
| СВ | In 1949, published for diesel engines requirements that are worked in light and medium conditions. Against abrasion and deposit, provides better protection than CA category. | | | | | |
| CD | Published in 1955, it is high abrasion and deposit control category. Developed for diesel engines that are working with high sulfur rate fuel; turbo-supercharged and naturally aspirated. At high temperatures, provides protec | | | | | |
| 1 | | | | | | |

| | , , , , , , , , , , , , , , , , , , , |
|-------------------|--|
| API Service Class | Definition |
| CA | Published in 1940; designed for older diesel engines that usually working in mild conditions and use good quality fuel. |
| СВ | In 1949, published for diesel engines requirements that are worked in light and medium conditions. Against abrasion and deposit, provides better protection than CA category. |
| CD | Published in 1955, it is high abrasion and deposit control category. Developed for diesel engines that are working with high sulfur rate fuel; turbo-supercharged and naturally aspirated. At high temperatures, provides protec |
| | tion against deposit formation and bearing corrosion. |
| CD II | Responds to the needs of two-stroke diesel engines. Also API CD category is suitable. Rrevised in 1985. |
| сс | Published in 1961 developed for diesel engines that are worked in light and medium conditions; turbo-supercharged and naturally aspirated. Prevents abrasion, rust and corrosion; makes deposit contro. |
| | Passes MIL-L-2104 B and 46152 B tests. |
| CE | Published in 1983; designed for diesel engines that are working under heavy duty, turbocharged and supercharged, low speed heavy load and high speed heavy load conditions. Provides effective protection than the CD level |
| | against abrasion, oil reduction and deposit formation. |
| CF-4 | In addition to performance of CE, provides less deposit formation and oil consumption, in 1990. Designed for diesel engines that are working under heavy duty, turbocharged and supercharged, low speed heavy load and high |
| | speed heavy load conditions. |
| CF | Published in 1994, has been developed for diesel engines that are indirect injection, turbocharged, supercharged and using high-sulfur fuel. Better than CD, shows piston deposit control and prevents bearing corrosion. |
| CF-2 | In addition to the performance requirements of CF, published in 1994, prevents deposit formation better with cylinder and piston ring abrasion in two-stroke diesel engines. |
| CG-4 | It is Heavy Duty Motor Service category which is published in 1994. According to CF-4, provides more piston deposit control and less carbon accumulation. Meets the needs of four-stroke, direct injection, turbocharged, high- |
| | speed, heavy-duty and used in low sulfur rate fuel of diesel engines that are used in both highway and land. |
| CH-4 | Published on 1 December 1998; meets exhaust emission standards and used in 4 stroke engines. Especially has been developed for high speed and 4 stroke diesel engines, that work maximum 0.5% sulfur content. Meets |
| | standardizations of CD, CE, CF-4 and CG-4. |
| CI-4 | Published in 2002, very heavy duty diesel engine oil. Engine oil used in high-speed 4-stroke engines, that meet 2004 exhaust emission standards. High and low temperature stability, piston deposit control, soot control, corro |

| | AUTOMOTIVE GEAR OILS (API) VE SAE VISCOSITY CLASSIFICATIONS | | | | | |
|-------|--|--|--|--|--|--|
| | Automotive Gear Oils API Quality Classifications | | | | | |
| Class | Definition | | | | | |
| GL-1 | Under light working conditions; special additive oil for spiral, bevel and worm gear type differential and manual transmissions. | | | | | |
| GL-2 | Under normal working conditions, special additive oil for worm gear type differential. | | | | | |
| GL-3 | Under normal working conditions, special additive oil for spiral and bevel gear type differential and manual transmission. | | | | | |
| GL-4 | Under severe working conditions; involves extreme pressure and other special additives for hypoid gear type transmission and passes MIL-L-2105 specifications. | | | | | |
| GL-5 | Under severe working conditions; involves additives that meet extreme pressure and impact loads for hypoid gear type transmission and appropriate to MIL-L-2105 D specification. | | | | | |

AUTOMOTIVE GEAR OILS SAE VISCOSITY CLASSIFICATIONS

| SAE Viscosity Class | | Max. Temperature for 60.000 cP Viscosity (°C) | | o °C ity (cSt) |
|---------------------|--------|--|------|-------------------|
| Winter | Summer | | Min. | Max. |
| 75W | - | -40 | 4,1 | - |
| 80W | - | -26 | 7 | - |
| 85W | - | -12 | 11 | • |
| | 90 | | 13,5 | <24 |
| | 140 | • | 24 | <41 |
| • | 250 | • | 41 | - |

SAE ENGINE OIL VISCOSITY CLASSIFICATIONS

| | AE ty Class | | mperature scosity (cP) | Max. Pumpable Limit Temperature for 60.000 cP (°C) | 100 °C Viscosity (cSt) | |
|--------|----------------|-------|---------------------------|--|---------------------------|---------|
| Winter | Summer | сP | °C | | Min. | Max. |
| o W | - | 6200 | -35 | -40 | 3, 8 | - |
| 5 W | - | 6600 | -30 | -35 | 3, 8 | - |
| 10 W | - | 7000 | -25 | -30 | 4, 1 | - |
| 15 W | - | 7000 | -20 | -25 | 5, 6 | - |
| 20 W | - | 9500 | -15 | -20 | 5, 6 | • |
| 25 W | - | 13000 | -10 | -15 | 9, 3 | |
| - | 20 | - | - | • | 5, 6 | < 9, 3 |
| - | 30 | - | - | - | 9, 3 | < 12, 5 |
| - | 40 | - | - | | 12, 5 | < 16, 3 |
| | 50 | - | - | | 16, 3 | < 21, 9 |
| - | 60 | - | - | - | 21, 9 | < 26, 1 |

Lubricants Supply, Production, Quality Control, Warehousing, Shipping, Waste Oil, Clean Environment Management Information

Starting from the Mil Mineral Oils' supply chain, by considering the developments of sector, the information required for protection of product quality and standards from research and development, production, filling, storage and transport to every stage until it reaches the final consumer protection, for recycling that may ocur after consumption, for fulfilling the legal and environmental considerations is presented below. Production and quality control are carried out by taking Mil Product Quality Management systems into account. Both at the storage of manufacturing facilities and during the sales channels before reaching the final consumer the applications needed to be taken into consideration at storing are like these:

- During the storage phase Occupational Security, Occupational Safety, Occupational Health arrangements should be taken into consideration. Against the possible fire danger, fire fighting gear should be deployed at easily accessible locations and usage training should be given to the personal. If possible, exercise should be done at regular intervals. The fire resulting from oil dervatives should be interfered with chemical fire extinguishers, not with water. (Chemical Dust, Sands Bins, Chemical Fire Tubes, etc...)
- As a priority especially cardboard packaged products should be kept in closed area, the negative effects caused by environmental factors, should be demoted to least level. (Rain, sun, extreme heat, extreme cold, moisture, dust and other pollution). All products, especially the packaged ones, if possible should be protected against pollution with plastic coating.
- To prevent the products from damage during storage and to provide easier shipment, multi shelf systems and labeling can provide more uniform operation.
- For the packages one above the other, it is suitable to use protective separator to reduce the pressure. Also the maximum number of rows placed on top should be taken into account.
- During storage drums on a palet must be kept in reverse or plastic protective cover must be used.
- Damaged products during storage should be isolated in a seperate section, should not be sent to the final user, should be sent back to the manufacturing facility and the necessary procedures should be applied.

General Precautions Related to Waste Oils

The product you have received, must be delivered to the nearest waste oil temporary storage, recycling or disposal facility in order to protect human and environmental health when its useful life has expired and turned into waste oil.

For this reason;

- Put the waste oil in a clean, empty and turned off the tight lipped, not wide mouthed, non sealed, rough place does not cause a loss, if possible, in their original container.
- Never mix the waste oil with gasoline, fuel oil, detergent, paint, solvents, antifreeze or other liquids such as fuel, never pour into soil, water. Sewage system, garbage containers, etc., never burn in the stoves and boilers.
- Put the oil filter in a plastic, non tear and resistant to tear and puncture polyethylene plastic bag.
- Do not leave waste oil and oil filter any place at random, hold the containers away from children and within 24 hours hand over them to the nearest public authority in waste oil temporary storage, recycling or final disposal facility for free.

Madeni Yağlar Tedarik, Üretim, Kalite Kontrol, Depolama, Sevkiyat, Atık Yağ, Temiz Çevre Yönetimi Bilgilendirme

Mil Madeni Yağlar'ın tedarik zincirinden başlayarak, sektörel gelişmeler göz önüne alınarak araştırma ve geliştirme üretim, dolum, depolama ve nakliyesinden nihai tüketiciye ulaşıncaya kadar her aşamada ürün kalitesinin ve standartlarının korunması, tüketimden sonra meydana gelebilecek geri dönüşüm, kanuni ve çevresel koruma şartlarının yerine getirilmesi için dikkat edilmesi gereken konular aşağıda bilgilerinize sunulmuştur. Ürün üretimi ve kalite kontrol Mil Madeni Yağlar Kalite Yönetim sistemleri esas alınarak gerçekleştirilmektedir. Gerek üretim tesisleri deposunda gerek satış kanalları sırasında nihai tüketiciye ulaşmadan önce depolanmasında göz önüne alınacak uygulamalar şöyledir.

- Depolanma aşamasında İş Emniyeti, İş Güvenliği, İş Sağlığı düzenlemeleri dikkate alınmalıdır. Olası bir yangın tehlikesine karşı söndürme tertibatı düzenli aralıklarla kontrol edilmelidir. Yangın tüpleri kolay ulaşılabilir yerlerde konuşlandırılmalı ve her personele kullanma eğitimleri verilmelidir. Mümkünse belirli aralıklarla tatbikat yapılmalıdır. Petrol türevlerinden kaynaklanan yangına su ile değil kimyasal söndürücüler ile müdahale edilmelidir. (Kimyasal Toz, Kum Kovaları, Kimyasal Yangın Tüpleri, vb...)
- Öncelikli olarak özellikle karton kolili ürünler kapalı alanda tutulmalı, çevresel faktörlerden kaynaklanabilecek olumsuz etkiler en az seviyeye indirgenmelidir. (Yağmur, güneş, aşırı sıcak, aşırı soğuk, rutubet, toz ve diğer kirlenme) Özellikle koli ambalajlar olmak üzere tüm ürünlerin kirlenmeye karşı mümkünse plastik kaplama ile korunması sağlanmalıdır.
- Ürünlerin depolama esnasında zarar görmesini engellemek ve daha kolay sevkiyat sağlamak için çoklu raf sistemleri ve etiketleme daha düzenli çalışma olanağı sağlayabilir.
- Üst üste konulan ambalajlar için baskıyı azaltan koruyucu separatör kullanılması uygundur. Yine belirtilen azami üst üste konulacak sıra sayısına dikkat edilmelidir.
- Üst üste konulan ambalajlar için baskıyı azaltan koruyucu separatör kullanılması uygundur. Yine belirtilen azami üst üste konulacak sıra sayısına dikkat edilmelidir.
- Depolama esnasında zarar gören ürünler ayrı bir bölümde tecrit edilmeli ve nihai kullanıcıya gönderilmemeli, üretim tesisine geri gönderilerek gerekli işlemlere tabi tutulmalıdır.

Atık Yağlar İle İlgili Genel Uyarılar

Almış olduğunuz ürün, kullanım süresi dolup, atık yağ haline geldiğinde insan ve çevre sağlığının korunması amacıyla en yakınınızda bulunan atık yağ geçici depolama, geri kazanım veya bertaraf tesisine teslim edilmesi gerekmektedir.

Bu amaçla;

- Atık yağ temiz, boş ve ağzı sıkı şekilde kapatılabilir, geniş ağızlı olmayan, sızdırmaz, yere dökülmesine neden olmayacak bir kaba, mümkünse kendi orijinal kabına koyunuz.
- Atik yağa kesinlikle benzin, fuel oil, deterjan, boya, çözücü, antfriz veya mazot gibi başka sıvı karıştırmayınız, kesinlikle toprağa, suya, kanalizasyon sistemine, çöp konteynerine v.b. ortama dökmeyiniz, soba ve kazanlarda yakmayınız.
- Yağ filtresini plastik, yırtık olmayan ve yıtılmaya, delinmeye dayanıklı polietilen plastik bir torbaya koyunuz.
- Atık yağı ve yağ filtresini gelişigüzel herhangi bir yere bırakmayınız, bu kapları çocuklardan uzak tutunuz ve 24 saat içinde en yakın atık yağ geçici depolama, geri kazanım veya nihai bertaraf tesisinde yetkili kuruluşa ücretsiz olarak teslim ediniz.

KARŞILAŞTIRMA CETVELİ - COMPARISON CHART

| MILPET | PETROL OFISI | MOBIL | SHELL | CASTROL |
|-----------------------------------|------------------------|--------------------------|---------------------------------|-------------------------------|
| | | | | |
| | BENZÍN | ILİ MOTOR YAĞLARI - GASO | LINE ENGINE OILS | |
| FORMULA FS oW/30 | MAXIMA oW/30 | FUEL ECONOMY oW/30 | HELIX ULTRA OW/30 | SLX LONGTECH oW/30-EDGE oW/30 |
| FORMULA FS 0W/40 | | | | EDGE 0W/40 |
| FORMULA FS 5W/30 - ULTRA SS 5W/30 | MAXIMA 5W/30 | SUPER FE SPECIAL 5W/30 | HELIX 5W/30 – HELIX ULTRA 5W/30 | PERFORMANCE A1 5W/30 |
| FORMULA FS 5W/40 - ULTRA SS 5W/40 | MAXIMA 5W/40 | 10W/40 | HELIX ULTRA 5W/40 | SLX 505 01 |
| PREMIUM SS 10W/30 | | | HELIX PLUS 10W/40 | |
| PREMIUM SS 10W/40 | MAXIMA 10W/40 | SUPER S 10W/40 | HELIX PLUS 10W/40 | GTX MAGNETEC 10W/40 |
| EXCEL 15W/40 | MAXIMA 15W/40 | | HELIX SUPER 15W/40 | GTX 15W/40 |
| EXCEL 20W/50 | MAXIMA 20W/50 | SUPER 20W/50 | HELIX 20W/50 | GTX 20W/50 |
| LPG AUTO GAS 20W/50 | MAXIMA AUTO LPG 20W/50 | SUPER M 15W/40 | LPG SUPER PLUS 20W/50 | GTX LPG 20W/50 |

| DİZEL MOTOR YAĞLARI – DIESEL ENGINE OILS | | | | | |
|--|-----------------------------------|----------------------------|--|--|--|
| HITEC FS 5W/30 - EXTRA SS 5W/30 | MAXIMA DIESEL 5W/30 | | DIESEL ULTRA 5W/30 | ELIXION oW/30 | |
| HITEC FS 5W/40 - EXTRA SS 5W/40 | MAXIMA DIESEL 5W/40 | | HELIX DIESEL ULTRA 5W/40 | TXT 505.01 | |
| HITEC FS 10W/30 - EXTRA SS 10W/30 | | DELVAC CT 10W/30 | | | |
| HITEC FS 10W/40 - EXTRA SS 10W/40 | MAXIMA DIESEL 10W/40 | | HELIX DIESEL PLUS 10W/40 | MAGNATEC DIESEL 10W/40 | |
| TURBO 10W/40 | MAXIMUS LA 10W/40 | DELVAC XHP LE EXTRA 10W/40 | RIMULA R6 LM 10W/40 (RIMULA SIGNIA 10W/40) | ENDURON LOW SAPS 10W/40 | |
| TURBO SHPD 15W/40 | MAXIMUS TURBO DIESEL EXTRA 15W/40 | DELVAC XHP EXTRA 15W/40 | RIMULA R4 15W/40 (RIMULA SUPER 15W/40) | TURBOMAX TECTION T 15W/40 - GTX 15W/40 | |
| PRESTIGE 15W/40 | MAXIMUS TURBO DIESEL S 15W/40 | DELVAC S.1300 15W/40 | RIMULA R3 15W/40 (RIMULA X 15W/40) | RX SUPERMAX – ASSURON MAX 15W/40 | |
| | | DELVAC MX 15W/40 | | | |
| PRESTIGE 20W/50 | MAXIMUS SUPER DIESEL 20W/50 | DELVAC SUPER 20W/50 | RIMULA R2 EXTRA 20W/50 (RIMULA D 20W/50) | RX SUPER 20W/50 | |
| CLASSIC HDX 40 | SUPERŞARJ 40 | DELVAC 1340 | RIMULA R3+40 (RIMULA X-40) | TECTION MONOGRADE SAE 40 | |
| CLASSIC HDX 30 | SUPERŞARJ 30 | DELVAC 1330 | RIMULA R3+30 (RIMULA X-30) | TECTION MONOGRADE SAE 30 | |
| CLASSIC HDX 10 | SUPERŞARJ 10W | DELVAC HYDARULIC 10W | RIMULA R3+10 (RIMULA X-10) | TECTION MONOGRADE SAE 10 | |
| CLASSIC HD 40 | KALİBRATÖR 40 | DELVAC 1240 | RIMULA R1 40 (RIMULA C 40) | | |
| CLASSIC HD 30 | KALİBRATÖR 30 | DELVAC 1230 | RIMULA R1 30 (RIMULA C 30) | | |
| CLASSIC HD 10 | KALİBRATÖR 10W | DELVAC 1210 | RIMULA R1 10 (RIMULA C 10W) | | |
| CLASSIC H 40 | SPESİYAL 40 | HD 40 | SHELLX – 100 SAE 40 | CASTROL HD 40 | |
| CLASSIC H 30 | SPESİYAL 30 | HD 20W/30 | SHELL X – 100 SAE 30 | CASTROL HD 30 | |
| CLASSIC H10 | SPESİYAL 10W | MOBİL HD 10W/20 | | | |

| MOTORSİKLET YAĞLARI – MOTORCYCLE OILS | | | | |
|---|--------------------|----------------------|----------------------|---------------|
| RACING FS 4T 10W/40-RACING SS 4T 10W/40 | MAXIMOTO 10W/40 | | ADVANCE VSX 4 10W/40 | POWER 1 4T 10 |
| RACING 4T 15W/50 | MAXIMOTO 4T 15W/50 | SYNTHETIC CHAIN LUBE | ADVANCE VSX 4 15W/50 | |
| RACING 2T | MAXIMOTO 2T | SPECIAL 2T | ADVANCE S2 | ACTEVO 2T |

| MILPET | PETROL OFISI | MOBİL | SHELL | CASTROL |
|--------|--------------|-------|-------|---------|
| | T THE TOTAL | | | |

| DİŞLİ VE TRANSMİSYON YAĞLARI – GEAR AND TRANSMISSION OILS | | | | | |
|---|-------------------------------------|---------------------|------------------------|-----------------------|--|
| 75W/90 FS | MAXIGEAR D 75W/90 | GEAR LUBE VS 600 | TRANSMISSION MB 75W/90 | SAF - XO 75W/90 | |
| GEAR OIL 80W/90 GL-5 | MAXIGEAR UNIVERSAL KEBAN EP 80W/90 | MOBILUBE HD 80W/90 | SPIRAX AX 80W/90 | EPX 80W/90 | |
| GEAR OIL 85W/140 GL-5 | MAXIGEAR UNIVERSAL KEBAN EP 85W/140 | MOBILUBE HD 85W/140 | SPIRAX A 85W/140 | EPX 85W/140 | |
| GEAR OIL 140 GL-4 | MAXIGEAR KEBAN EP 140 | MOBILUBE GX 140 | SPIRAX G 140 | HIPRESS 140 | |
| GEAR OIL 90 GL-4 | MAXIGEAR KEBAN EP 90 | MOBILUBE GX 90 | SPIRAX G 90 | HYPOY EP 90 | |
| GEAR OIL 80 GL-4 | MAXIGEAR KEBAN EP 80 | MOBILUBE GX A 80W | SPIRAX G 80W | EP 90 | |
| GEAR OIL 140 GL-1 | MAXIGEAR KEBAN 140 | MOBILUBE C 140 | DENTAX 140 | MAJESTIC GEAR OIL 140 | |
| GEAR OIL 90 GL-1 | MAXIGEAR KEBAN 90 | MOBILUBE C 90 | DENTAX 90 | MAJESTIC GEAR OIL 90 | |
| ATF DEXRON III | ATF 3 | ATF | DONAX TX | ATF TQ DIII | |
| ATF DEXRON II | ATF II | ATF 220 | DONAX TA | CASTROL TQD | |

| ENDÜSTRİYEL YAĞLAR /INDUSTRIAL OILS – HİDROLİK SİSTEM YAĞLARI /HYDRAULIC SYSTEM OILS | | | | | |
|--|------------------|------------|------------|----------------|--|
| MILLUS 32 | HYDRO OIL HD 32 | DTE 24 | TELLUS 32 | HYSPIN AWS 32 | |
| MILLUS 37 | HYDRO OIL HD 37 | DTE OIL 37 | TELLUS 37 | | |
| MILLUS 46 | HYDRO OIL HD 46 | DTE 25 | TELLUS 46 | HYSPIN AWS 46 | |
| MILLUS 68 | HYDRO OIL HD 68 | DTE 26 | TELLUS 68 | HYSPIN AWS 68 | |
| MILLUS 100 | HYDRO OIL HD 100 | DTE 27 | TELLUS 100 | HYSPIN AWS 100 | |

| ENDÜSTRİYEL YAĞLAR/INDUSTRIAL OILS – SANAYİ DİŞLİ YAĞLARI/INDUSTRY GEAR OILS | | | | | |
|--|-----------------|----------------------|-------------|----------------|--|
| 68 | TÜRBİN YAĞI 68 | DTE OIL HEAVY MEDIUM | TURBO T 68 | PERFECTO T 68 | |
| 100 | TÜRBİN YAĞI 100 | DTE OIL HEAVY | TURBO T 100 | PERFECTO T 100 | |
| 150 | TÜRBİN YAĞI 150 | DTE OIL EXTRA HEAVY | MORLINA 150 | ALPHA ZN 150 | |
| 220 | TÜRBİN YAĞI 220 | DTE OIL BB | MORLINA 220 | ALPHA ZN 220 | |
| 320 | TÜRBİN YAĞI 320 | DTE OIL AA | MORLINA 320 | ALPHA ZN 320 | |
| 460 | TÜRBİN YAĞI 460 | DTE OIL HH | MORLINA 460 | | |

| ENDÜSTRİYEL YAĞLAR/INDUSTRIAL OILS – KOMPRESÖR YAĞLARI/COMPRESSOR OILS | | | | | |
|--|----------------------|-----------|---------------------------|--------------|--|
| 32 | COMPRESSOR OIL XT 32 | RARUS 424 | CORENA S 32 | AIRCOL PD 32 | |
| 46 | COMPRESSOR OIL XT 46 | RARUS 425 | CORENA S 46 / CORENA P 46 | AIRCOL PD 46 | |
| 68 | COMPRESSOR OIL XT 68 | | CORENA S 68 / CORENA P 68 | AIRCOL PD 68 | |

| ENDÜSTRİYEL YAĞLAR /INDUSTRIAL OILS | | | | | |
|-------------------------------------|----------------------|-----------------|--------------------|------------------|--|
| KIZAK YAĞI 2 | KIZAK YAĞI D (68) | VACTRA OIL NO.2 | TONNA T 68 | MAGNAGLIDE D 68 | |
| KIZAK YAĞI 4 | KIZAK YAĞI D (220) | VACTRA OIL NO.4 | TONNA T 220 | MAGNA CF 220 | |
| KESME YAĞI | BERIT B | VACMUL A6 | MACRON B | ILOGRIND 483 | |
| BOR YAĞI | BOR YAĞI | MOBILCUT 122 | DROMUS BS | COOLEDGE B1 (BI) | |
| ISI TRANSFER YAĞI | HEAT TRANSFER OIL 32 | THERM 32 | THERMIA B | PERFECTO HT 5 | |
| TEKSTİL YAĞI | TEKSTİL YAĞI 15 | | MADENÍ YAĞ 650 | | |
| HARMAN YAĞI | SUPER HARMAN YAĞI | MULREX WOS | CELCONUS A CONUS R | | |
| KALIP YAĞI | KALIP YAĞI CT | CERTREX 112 | | BETON KALIP YAĞI | |

