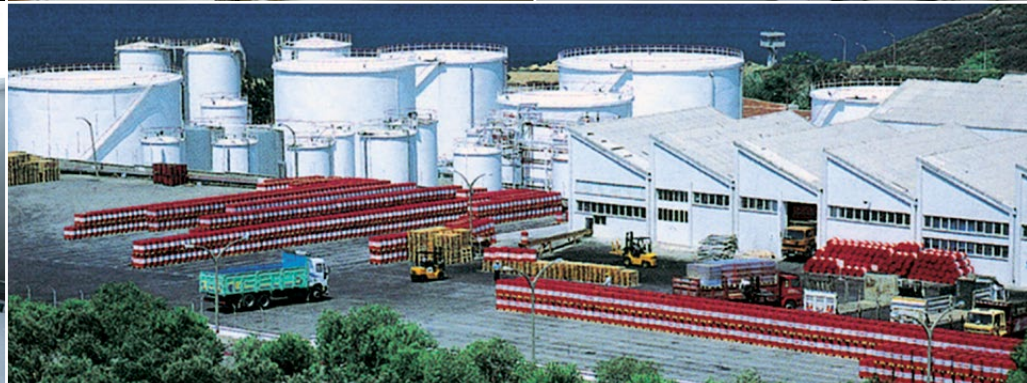




LUBRICANTS PRODUCT CATALOG







WHY USE PETROL OFISI LUBRICANTS?

Lubricant has become one of the basic needs of the vehicles and the equipments for an outstanding performance and saving. However, every vehicle and equipment needs a different lubricant and one needs to have experience, technological infrastructure and specialized personnel to meet those needs.

Petrol Ofisi enlarges its lubricant product portfolio with the technological developments that it follows very closely and with the new formulae that it develops in line with the needs of the customers.

Petrol Ofisi constantly makes investments in the infrastructure in Derince Lubricant Factory in order to provide the customers always with the most technological service, to improve the capacity usage and the efficiency in production, to enlarge the product portfolio and to save in the usage of resources.

Petrol Ofisi is the leader company of the fuel distribution and lubricants market with its technology center (POTEM), one of the largest of its kind in the neighboring lands; its laboratory in which it is possible to do the oil analysis to the smallest detail; its infrastructure; its training team; its engineering services in the field; its sensitivity towards the environment and human health and its continuously renewed facilities.

THE MOST COMPETENT TECHNOLOGICAL RESEARCH CENTER OF TURKEY: POTEM



Petrol Ofisi, one of the best of Turkey and the neighbouring lands, has raised the bar of R&D in its sector by keeping track of the latest technologies in parallel with the world in its technology center (POTEM), by determining the needs of the customer in advance, constantly developing the product portfolio and providing its customers with uninterrupted technical support.

POTEM has the first and most comprehensive TS EN ISO/IEC 1705:2005 laboratory competence accreditation and it is one of the most developed laboratories of Turkey and its immediate surrounding area for lubricants, fuel oil product research and development activities with its state of the art technological equipment and specialized personnel. POTEM mostly develops and controls new lubricant products in line with the requests of the customers of Petrol Ofisi abroad and in Turkey.

POTEM has proved its competence in both the foreign countries and in Turkey with the things that it has done until now. With the importance that it attaches to the R&D activities, its technological infrastructure that develops constantly and the services that it provides, it is a technology center that both Petrol Ofisi and Turkey can be proud of.



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The package types in the lists are generally stated, basic package types are stated in the reveal price lists.



ENGINE OILS

Passenger and Light Commercial Vehicle Engine Oils

maxima 0W-20 High Technology, Fully Synthetic Engine Oil



Package
Barreled, in 4 lt.

Description

maxima 0W-20 is produced based on synthetic lubrication technology to fulfill expectations of new high technology engines. maxima 0W-20 is recommended for the vehicles requiring special lubricants. Designed specifically for improved engine performance, increased fuel efficiency and reduced engine deposits.

Performance
ACEA C3, API SN

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.85	228	45.77	8.83	177	-39

* Values are changeable according to production.

maxima 0W-30 New Generation, High-Tech, Fully Synthetic Engine Oil



Package
Barreled, in 1 lt and
4 lt plastic boxes.

Description

maxima 0W-30 is a fully-synthetic fuel economy engine oil suitable for VW Group engines with WIV (extended service interval) from design year 2000 onwards including unit-injector engines. It allows long maintenance intervals thus offering highest reliability and operational safety reserves.

Performance
API SL/CF, ACEA A5/B5,
VW 503 00/506 00/506 01

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.856	223	53	9,6	160	-39

* Values are changeable according to production.

maxima VSA 5W-30 Fully Synthetic Engine Oil for Volkswagen Vehicles



Package
Barreled, in 1 lt and
4 lt plastic boxes.

Description

maxima VSA 5W-30 is a synthetic fuel economy reduced ash engine oil perfectly suitable for VW Group engines with particulate filter or unit-injector system. It allows long maintenance intervals offering highest reliability. A new technology protects the environment as well as the particulate filter. It is approved by VW for VW 504 00/507 00.

Performance
ACEA C3, VW 504 00/507 00,
BMW LL-04, Porsche C 30

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.852	234	69.8	11.9	169	-45

* Values are changeable according to production.

ENGINE OILS

Passenger and Light Commercial Vehicle Engine Oils

maxima GA 5W-30

New Generation, High Performance, Fully Synthetic Engine Oil



Package

Barreled, in 1 lt and 4 lt plastic boxes.

Description

maxima GA 5W-30 is low-ash, synthetic engine oil with its supreme formula for superior protection in vehicles. It ensures extreme reliability and perfect friction control provides max fuel economy. It is especially developed for the Opel, Chevrolet, Saab brand's new models and approved by GM for dexos2™ worldwide. It is also approved by Mercedes and BMW.

Performance

API SM/CF, ACEA C3, A3/B4, GM dexos2, BMW LL-04, Mercedes Benz 229.51, VW 502.00, 505.00/505.01

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.85	230	67.07	11.67	171	-36

* Values are changeable according to production.

maxima PG 5W-30

New Generation, High-Tech, Fully Synthetic Engine Oil



Package

Barreled, 4 lt plastic boxes.

Description

maxima PG 5W-30 is an ultra high performance synthetic engine oil for Peugeot, Citroën, Fiat new technology engines equipped with or without DPF. maxima PG 5W-30 provides optimum engine performance, improved fuel economy and reduced exhaust emissions.

Performance

ACEA A5/B5/C2, API SM/CF, PSA B71 2290, Fiat 9.55535-S1

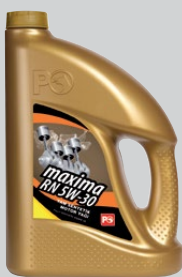
Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.855	232	70.5	11.8	165	-36

* Values are changeable according to production.

maxima RN 5W-30

Fully Synthetic Engine Oil for Renault Vehicles



Package

Barreled, in 1 lt and 4 lt plastic boxes.

Description

maxima RN 5W-30 is a fully synthetic, new Low SAPS technology based, high performance engine oil. Specially designed to reduce exhaust gas emissions and to extend the diesel particulate filter (DPF) life. It is approved by Renault for RN 720.

Performance

ACEA C4, RENAULT RN0720

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.852	210	68	11.6	168	-33

* Values are changeable according to production.



ENGINE OILS

Passenger and Light Commercial Vehicle Engine Oils

maxima FM 5W-30 New Generation, Fully Synthetic Engine Oil



Package
Barreled, in 1 lt, 4 lt
and 7 lt plastic boxes.

Description

It is a fully synthetic engine oil especially formulated for vehicles requiring performance level Ford WSS M2C913-C.

Performance

API SL/CF, ACEA A5/B5-10,
Ford WSS-M2C913-C,
WSS-M2C913-A,
WSS-M2C913-B

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.853	238	51.54	9.49	171	-39

* Values are changeable according to production.

maxima XT 5W-30 Synthetic Motor Oil for New Generation Passenger Cars



Package
Barreled, in 1 lt and
4 lt plastic boxes.

Description

It is a synthetic engine oil for high performance passenger cars. It provides fuel economy and long life.

Performance

API SL/CF, ACEA A3/B4

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.859	226	63.8	9.9	141	-39

* Values are changeable according to production.

maxima 5W-40 New Generation, Fully Synthetic Engine Oil



Package
Barreled, in 1 lt and
4 lt plastic boxes.

Description

A fully synthetic gasoline engine oil that is suitable for use under severe conditions where conventional engine oils fail. Recommended for use in all high performance modern vehicles, in passenger cars, light commercial vehicles, gasoline and diesel engines with multipoint fuel injection and in SUV and off-road vehicles. It is approved by Renault for RN 710 and Mercedes.

Performance

API Donut, API SM/CF,
ACEA A3/B3/B4, MB 229.3,
VW 502.00/505.00,
BMW LL-98, RN 700/710

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.86	230	90	14	160	-42

* Values are changeable according to production.

ENGINE OILS

Passenger and Light Commercial Vehicle Engine Oils

maxima 10W-40 Synthetic Engine Oil



Package
Barreled, in 1 lt,
3 lt and 4 lt boxes.

Description

It is high technology synthetic gasoline engine oil. It protects the engine against to run outs in high temperatures and it minimizes the deposit formation. It is recommended to every kind of high performance modern vehicles, automobiles, multi-point fuel injection gasoline vehicles, SUV and off-roads.

Performance

API Donut, API SL/CF,
ACEA A3/B3/B4, MB 229.1,
VW 501.01/505.00

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.873	226	91.18	13.76	154	-33

* Values are changeable according to production.

maxima 15W-40 High Performance Engine Oil



Package
Barreled, in 1 lt,
3 lt and 4 lt boxes.

Description

It is used for old and new type high-speed engines. It is recommended for use in all high performance modern passenger cars, SUV and off-road vehicles.

Performance

API SH/CD

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.883	229	106.7	14.5	140	-27

* Values are changeable according to production.

maxima 20W-50 High Performance Engine Oil



Package
Barreled, in 1 lt,
3 lt and 4 lt boxes.

Description

It is especially developer for excellent protection against engine deposits. Recommended for the passenger cars and light commercial vehicles that need high performance and equipped with turbocharged engines. Compatible for adverse traveling conditions such as stop and go traffic and motorway driving.

Performance

API SH/CD

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.89	228	179.8	20.02	129	-27

* Values are changeable according to production.



ENGINE OILS

Passenger and Light Commercial Vehicle Engine Oils

maxima Diesel LA 5W-30 A Fully Synthetic Diesel Engine Oil for Passenger Cars Gasoline and Diesel Engines with Particular Filter



Package
Barreled, in 1 lt and 4 lt plastic boxes.

Description

maxima Diesel LA 5W-30 is a low-ash, synthetic engine oil for up-to-date gasoline and diesel engines with particulate filter. It offers high reliability and allows maximum reduction of fuel consumption. It is recommended for high performance passenger cars with gasoline and diesel engines with or without particulate filter.

Performance

API SM/CF, ACEA A3/B4/C3, BMW LL-04, MB 229.51, VW 502.00/505.00/505.01

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.852	230	66.9	11.7	166	-39

* Values are changeable according to production.

maxima Diesel 5W-40 A Fully Synthetic Diesel Engine Oil for Passenger and Light Commercial Vehicles



Package
Barreled, in 1 lt, 3 lt and 4 lt boxes.

Description

A fully synthetic diesel engine oil that is suitable for use under severe conditions where conventional engine oils fail. Recommended for use in all high performance modern vehicles, in passenger cars, light commercial vehicles with multipoint fuel injection and in SUV and off-road vehicles.

Performance

API CF/SM, ACEA B3/B4/A3, MB 229.3, VW 502.00/505.00, RN 710

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.86	230	91	14	162	-42

* Values are changeable according to production.

maxima Diesel 10W-40 Synthetic Diesel Engine Oil for Passenger and Light Commercial Vehicles



Package
Barreled, in 1 lt, 3 lt and 4 lt boxes.

Description

It is advanced technology product synthetic diesel engine oil. It fits perfect with Euro 2 and Euro 3 engines which are developed by European producers. It is used in high performance passenger and light commercial vehicles diesel engines equipped with turbocharge, catalytic converters. It shows a perfect performance according to mineral base engine oils with its synthetic formulization.

Performance

API CF/SL, ACEA B4/B3/A3, MB 229.1, VW 501,01/505.00

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.873	226	91.18	13.76	154	-33

* Values are changeable according to production.

ENGINE OILS

Passenger and Light Commercial Vehicle Engine Oils

maxima Diesel 15W-40 High Performance Engine Oil for Passenger Car and Light Commercial Vehicles



Package
Barreled, in 1 lt,
3 lt and 4 lt boxes.

Description

A diesel engine oil produced by addition of high performance additives to high quality mineral base oils. Provides smooth engine operation, prevents the formation of harmful sediments, sludge and varnish. Can be used in high speed and turbocharged diesel engine passenger cars and light commercial vehicles.

Performance

API CF-4 CF/CD/SG,
MB 227.1, VW 505.00,
Allison C3

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.886	226	116.5	15.4	139	-30

* Values are changeable according to production.

maxima AUTO LPG 10W-40 Synthetic Engine Oil for LPG Operated Vehicles



Package
Barreled, in 1 lt,
3 lt and 4 lt boxes.

Description

It is semi-synthetic engine oil that is especially formulated for LPG vehicles. It is recommended to use in all model of high performance vehicles running with LPG fuels system. It keeps clean the engine and provides maximum fuel saving. It extends the engine life by supreme protection against corrosion and wear. It prevents the over heating caused by LPG system.

Performance

API SL/CF, ACEA A3/B3,
MB 229.1, VW 500.00/505.00

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.873	226	91.2	13.8	154	-33

* Values are changeable according to production.

maxima AUTO LPG 20W-50 Synthetic Engine Oil for LPG Operated Vehicles



Package
Barreled, in 1 lt,
3 lt and 4 lt boxes.

Description

Engine oil produced for all LPG operated vehicles by addition of special additives to high quality base oils and contains enlarged amounts of dispersant and detergent additives which maintain cleanliness. Reduces harmful engine deposits, protects the valves against wear, maintains cleanliness and ensures fuel efficiency.

Performance

API SG/CD

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.889	256	180.3	20.1	129	-24

* Values are changeable according to production.



ENGINE OILS

Motorcycle Oils

maximoto 15W-50 Racing Four Stroke, Fully Synthetic Motorcycle Engine Oil



Package
Barreled, in 1 lt plastic bottle.

Description

A new generation fully synthetic engine oil for four stroke motorcycles formulated with synthetic base oils combined with special developed balanced additives. This oil is special developed for the lubrication of four stroke motorcycles, so that sliding, sticking and/or rough changing of the clutch-plates no longer occurs. This oil is developed and tested in co-operation with the most important motorcycle producers and has its performance demonstrated in the field.

Performance
API SG, JASO MA

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.848	218	111.3	17.1	168	-44

* Values are changeable according to production.

maximoto 10W-40 Four Stroke, Synthetic Motorcycle Engine Oil



Package
Barreled, in 1 lt plastic bottle.

Description

A new generation semi-synthetic engine oil for four stroke motorcycles formulated with high quality mineral and synthetic base oils combined with special developed balanced additives. This oil is special developed for the lubrication of four stroke motorcycles, so that sliding, sticking and/or rough changing of the clutch-plates no longer occurs. This oil is developed and tested in co-operation with the most important motorcycle producers has its performance demonstrated in the field.

Performance
API SL/JASO MA2

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.873	210	101	15	156	-30

* Values are changeable according to production.

maximoto 15W-50 Four Stroke, Mineral Based Motorcycle Engine Oil



Package
Barreled, in 1 lt plastic bottle.

Description

It is engine oil that produced for four stroke motorcycles and it indicates high performance additives. It perfectly protects the engine by minimizing the viscosity change in high temperatures. It is safely used in four seasons for four stroke and high performance motorcycles. Also it is suitable for all kinds of European and Japan production motorcycles that recommended for API SG and/or JASO MA specifications.

Performance
API SG, JASO MA

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.881	236	154.4	20.35	153	-27

* Values are changeable according to production.

ENGINE OILS

Motorcycle Oils

100-1 Outboard Plus Two Cycle, Water Cooled Gasoline Engine Oil



Package
Barreled, in 1 lt plastic bottle.

Description

A premium quality oil, designed for use in all two stroke gasoline engines, including marine engines, grass cutting machines and mobile water pumps. It is mixed into the gasoline. It contains an ash-free dispersant, an anti-rust additive, and a speciality solvent, allowing the oil to be mixed with gasoline under any temperature. The ideal ratio for the oil/fuel mixture is 1/100.

Performance
NMMA TC-W3

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.874	96	42.75	6.95	121	-36

* Values are changeable according to production.

maximoto 2T Two Cycle, Air Cooled, High Quality Engine Oil



Package
Barreled, in 1 lt plastic bottle.

Description

Designed to meet the lubrication requirements of two stroke gasoline engines equipped with air cooling systems. It is suitable for all motorcycles, pulverizers and chainsaws. It is typically mixed with fuel; typically, a 1/6 to 1/50, but please refer to the recommended ratios given by the engine's manufacturer.

Performance
API TC [CEC TSC-3]

Oil to Fuel Ratio Ranges

Ratio ranges is recommend by OEM	1:10	1:15	1:20	1:25	1:30	1:40	1:50
Oil Quantity which is mixed every 4 lt fuel	400 ml	265 ml	200 ml	160 ml	135 ml	100 ml	80 ml

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.89	250	128.92	13.21	95	-12

* Values are changeable according to production.



ENGINE OILS

Heavy Duty Diesel Engine Oils

MAXIMUS 5W-30 Fully Synthetic Super-Ultra-High-Performance Diesel (SUHPD) Engine Oil



Package
Barreled, 17.5 lt plastic bottles.

Description

Fully synthetic Super-Ultra-High-Performance-Motor oil (SUHPD) designed for use in new generation commercial vehicles with low emission. Its superior performance approved by biggest diesel engine manufacturers. Recommended for high performance heavy duty diesel engines with turbocharging and exhaust gas recycling systems (EGR) meeting EURO II, III, IV and future emission standards.

Performance

API CH-4/CG-4/CF-4/CF, ACEA E7/E5/E4/E3/B3/B4, MB 228.5, MAN 3277, MTU TYPE 3, VOLVO VDS-3, SCANIA LDF, IVECO, RENAULT RXD, DAF, CUMMINS 20077, GLOBAL DHD-1, MACK EO-M PLUS

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.861	225	74	12	158	-48

* Values are changeable according to production.

MAXIMUS 10W-30 Synthetic, High Performance Diesel Engine Oil



Package
Barreled, in 7 lt and 17.5 lt plastic bottles.

Description

A synthetic diesel engine oil specially formulated using superior quality synthetic base oils and new generation performance additives, designed to ensure perfect lubrication of new generation diesel engines operating under heavy service conditions. Recommended for all applications involving light commercial vehicles, trucks, buses, construction machines and generators equipped with a diesel engine, especially with turbocharged and low emission diesel engines.

Performance

API CI-4, ACEA E7-04, MB 228.3, MAN 3275, VOLVO VDS-2, RENAULT RD-2, CUMMINS 20076/20077/20078, MACK EOM PLUS, DHD 1, FORD WSS-M2C-921 A

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.879	222	73.6	11.2	144	-33

* Values are changeable according to production.

MAXIMUS LA 10W-40 New Generation Synthetic Diesel Engine Oil for EURO 3/4 Vehicles



Package
Barreled, 17.5 lt plastic bottles.

Description

Produced to ensure perfect lubrication of especially the modern heavy-duty diesel engines of Euro 4 norm equipped with a particle filter and diesel engines of Euro 3 and Euro 4 norms equipped with an SCR system. Thanks to the low-ash additives it contains, it ensures superior engine protection and longer oil change internals.

Performance

API CF, ACEA E6/E4, MB 228.5/MB 228.51, MAN 3277 low-ash, MAN 3477, MTU MTL 5044 TYP 3, RVI RXD

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.86	237	95	14.4	166	-33

* Values are changeable according to production.

ENGINE OILS

Heavy Duty Diesel Engine Oils

MAXIMUS HD 10W-40 High Performance, Synthetic Heavy Duty Diesel Engine Oil



Package
Barreled, 17.5 lt plastic bottles.

Description

It is a fully synthetic low-ash diesel engine oil, developed for use in high performance Euro 5 and Euro 6 engines equipped with specific exhaust gas treatment systems (DPF/SCR).

Performance

API CJ-4, ACEA E9-08, MB 228.31, VOLVO VDS-4, RENAULT TRUCKS RLD-3, MAN M3575, CUMMINS 20081, MTU Type 2.1, MACK EO-0 PREMIUM PLUS, CATERPILLAR ECF-3, ECF-2, ECF-1-a, DEUTZ DQC III-05, DETROIT DIESEL DDC93K218

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.877	220	92	13.8	153	-33

* Values are changeable according to production.

MAXIMUS 10W-40 New Generation, Synthetic, Long Life Heavy Duty Diesel Engine Oil



Package
Barreled, 17.5 lt plastic bottles.

Description

A superior performance synthetic diesel engine oil. Specially produced for new generation high performance and low-emission diesel engines. Recommended for use in most high speed heavy duty diesel engines operating under demanding conditions in all climates.

Performance

API CI-4/CF, ACEA E7-04/E4-07, MB-228.5, MAN M3277, VOLVO VDS-3, RENAULT RXD/RLD-2, MACK EO-MPI CUMMINS 20078, MTU TYPE 3

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.863	226	88.5	13.3	150	-33

* Values are changeable according to production.

MAXIMUS XT 10W-40 High Performance Synthetic Heavy Duty Diesel Engine Oil



Package
Barreled, 17.5 lt plastic bottles.

Description

Produced with synthetic technology for heavy duty diesel engine oil. Extreme performance for diesel engines which are using low or high sulfur content diesel fuel. It is recommend for turbocharged and low emuissioned diesel engines and all of truck, bus, long way transportation, construction machines and generators. MAXIMUS LA 10W-40 is recommend for the vehicles equippped with SCR or particulate filter system.

Performance

API CI-4, ACEA E7-08, A3/B4-08 MB 228.3, MAN 3275 MTU TYPE 2, VOLVO VDS3, DEUTZ DQC-III

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.873	225	100	14.62	149	-36

* Values are changeable according to production.



ENGINE OILS

Heavy Duty Diesel Engine Oils

MAXIMUS CNG 15W-40 CNG Operated Vehicles Engine Oil



Package
Barreled.

Description

Commercial vehicle engine oil that can be used four seasons in working with LPG and CNG fuel commercial vehicles. It neutralizes the acid formation and prevents the corrosion, deposit and sludge formation by its special detergents and dispersants.

Performance

MAN 3271-1,
MB 226.9, Volvo CNG,
Renault Truck RGD

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.886	228	109.5	14.6	136	-30

* Values are changeable according to production.

ENGINE OILS

Heavy Duty Diesel Engine Oils

MAXIMUS Turbo Diesel Extra 15W-40 Super High Performance Heavy Duty Diesel Engine Oil



Package
Barreled, in 1 lt, 3 lt,
7 lt, 17.5 kg plastic
bottles and 16 kg tin.

Description

Diesel engine oil with Super High Performance Diesel (SHPD) motor oil quality level. Provides superior performance and longer drain capabilities in high output turbocharged diesel engines. Ensures excellent performance in diesel engines operating with both low and high-sulfur fuels. Recommended for all applications involving trucks, buses, construction machinery and generators equipped with a diesel engine, especially with turbocharged and low-emission engines.

Performance

API CI-4/CF/SL, ACEA E7,
MB 228.3, MAN 3275, MTU TYPE-2,
VOLVO VDS3, RENAULT RVI RLD-2,
CUMMINS 20076/77/78,
CAT ECF-1-a/ECF-2, Allison C4

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.887	236	113.9	15.1	139	-27

* Values are changeable according to production.

MAXIMUS Turbo Diesel S 15W-40 High Performance Heavy Duty Diesel Engine Oil



Package
Barreled, in 1 lt, 3 lt,
7 lt, 17.5 kg plastic
bottles and 16 kg tin.

Description

A high quality diesel engine oil. Ensures high performance in all diesel engines operating under heavy service conditions thanks to its superior protection and long service life characteristics. Recommended for all applications involving trucks, buses, construction machinery, agricultural machinery and generators equipped with a diesel engine, especially with a turbocharged engine.

Performance

API CF-4/CF/SH, ACEA E2,
MB 228.1, MAN 271,
MIL-L 2104 E

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.885	232	116.3	15.7	143	-27

* Values are changeable according to production.

MAXIMUS Super Diesel 20W-50 High Performance Heavy Duty Diesel Engine Oil



Package
Barreled, in 1 lt, 3 lt,
7 lt, 17.5 kg plastic
bottles and 16 kg tin.

Description

A high quality heavy-duty diesel engine oil. Ensures year's round high performance in all diesel engine types operating under heavy load and off-road conditions. Recommended for all applications involving commercial vehicles, trucks, buses, construction machinery, agricultural machinery and generators equipped with a diesel engine, including turbocharged and supercharged engines.

Performance

API CF-4/CF/SG, VW 505.00,
CAT TO-2, Allison C3,
MIL-L-2104 D

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.892	238	176.5	19.7	129	-24

* Values are changeable according to production.



ENGINE OILS

Heavy Duty Diesel Engine Oils

MAXITRAK Traktör Yağı 15W-40 Multigrade Tractor Engine Oil



Package
Barreled, 10 lt and
17.5 kg plastic bottle.

Description

It is a high performance and superior quality multigrade diesel engine oil produced by addition of additives package to high tech paraffinic base oils It is recommended for new generation modern tractor, agricultural equipments including the latest models and diesel engines with heavy-duty vehicles.

Performance
API CF-4/CF

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.886	234	116.54	15.44	139	-30

* Values are changeable according to production.

MAXITRAK Traktör Yağı 20W-50 Multigrade Tractor Engine Oil



Package
Barreled, 10 lt and
17.5 kg plastic bottle.

Description

It is a multigrade, high quality diesel oil, produced by performance promoting additive package into paraffinic base oils. It is used in tractor and other diesel engines of all agricultural equipment including the latest models.

Performance
API CF-4

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.893	258	163	17.92	121	-18

* Values are changeable according to production.

ENGINE OILS

Heavy Duty Diesel Engine Oils

Turboşarj Extra 40 High Performance, Monograde Diesel Engine Oil



Package
Barreled.

Description

It is a diesel engine oil of product of state of art technology with a long service life, equivalent to SHPD (Super High Performance Diesel Engine Oil), meeting all properties required for a four cycle diesel engines with elevated engine speeds. It is used for high speed, turbocharger engines of construction equipment and heavy-duty vehicles.

Performance

API CH-4/CF/SL,
ACEA E3/B4/B3/A3,
ALLISON C-4, MB 228.2,
MTU TYPE 2, MAN 270

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.89	254	129.72	14.51	111	-30

* Values are changeable according to production.

Turboşarj Extra 30 A Monograde Diesel Engine Oil



Package
Barreled.

Description

It is a diesel engine oil of product of state of art technology with a long service life, equivalent to SHPD (Super High Performance Diesel Engine Oil), meeting all properties required for a four cycle diesel engines with elevated engine speeds. It is used for high speed, turbocharger engines of construction equipment and heavy-duty vehicles.

Performance

API CF-4/CF/SG,
MTU TYPE 2, MAN 270,
MB 228.0

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.89	234	94.6	11.38	111	-24

* Values are changeable according to production.

Süperşarj Series Monograde, High Quality Diesel Engine Oil



Package
Barreled,
SAE 10: 15 kg,
SAE 30, 40, 50: 16 kg

Description

A fully synthetic engine oil formulated with specially developed additive package. Suitable for use in new technology four stroke gasoline engines. Developed for use in the gasoline and diesel engines of modern vehicles. It is approved by Ford for the vehicles requiring the performance levels WSS-M2C913-A and WSS-M2C913-B.

Performance
API CF/CF-4/SG,
Allison C3, Cat TO-2

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C	
10	0.880	212	31.61	5.54	110	-30
30	0.887	248	84.41	10.26	104	-18
40	0.900	266	125.14	13.17	98	-15
50	0.905	270	223.21	19.5	99	-12
30 [20 TBN]	0.901	264	94.22	11.06	102	-24

* Values are changeable according to production.



ENGINE OILS

Heavy Duty Diesel Engine Oils

Spesiyal Series Monograde Diesel Engine Oil



Package
Barreled, available in
15 kg tin.

Description

Series of high viscosity index, single grade, paraffinic oils; developed for use in diesel engine crankcases operating under normal conditions. Contains advanced additives preventing rust, corrosion, oxidation and foaming, which protects the engine against oxidation, deposit formation and wear.

Performance

API SC/CB,
MIL-L-2104 A Suppl. 1

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
10	0.87	218	34.06	5.64	103	-30
30	0.88	256	100.6	11.16	96	-21
40	0.89	270	144.8	14.12	94	-15

* Values are changeable according to production.

Petrol Ofisi HD Series System Oils



Package
Barreled, in 1 lt, 4 lt,
5 lt, 17.5 kg plastic
bottles.

Description

Series of high viscosity index, single grade, paraffinic oils, which contain advanced detergent and dispersant additives, preventing rust, corrosion, oxidation and foaming. These oils are developed for use in four cycle gasoline and diesel engine crankcases.

Performance

API SC/CC, MIL-L-2104 B

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
30	0.892	240	106.49	11.6	97	-18
40	0.896	250	151	14.6	95	-15
50	0.902	270	230	19.4	93	-12

* Values are changeable according to production.

AUTOMOTIVE SPECIALTIES

AdBlue®



Package
18 lt plastic cans.

Description

AdBlue® is the solution in deionized water in proportion of 32,5%. It is a mandatory use technology in all SCR equipped diesel vehicles for ensures compliance with the purpose of Euro V and IV emission standards. It provides fuel economy up to 6% in SCR technology used Euro V vehicles, according to Euro III level fuel consumption, reduce the nitrogen oxides up to 80% which are released by exhaust gases.

Performance

ISO 2241-1 and DIN 70070

Typical Properties*

Urea Content % (m/m)	Density @ 20°C g/ml	Refractive Index	Alkalinity, as NH ₃ % (m/m)	Biuret % (m/m)	Aldehydes mg/kg	Insolubles mg/kg
31.8-33.2	1.087-1.093	1.3814-1.3843	max. 0.2	max. 0.3	max. 5	max. 20

* AdBlue® is a registered trademark of the VDA (Verband der Automobilindustrie). Petrol Ofisi A.Ş. is a licensed member of VDA. Values are changeable according to production.

Süper Antifriz



Package
Barreled, 16 kg tin,
1 lt and 3 lt in bottles.

Description

It is antifreeze containing rust, corrosion, and wear and foam-inhibiting special additives. Can be used in all aluminum or other type radiators. It is recommended both in winter/summer, since it prevents freezing/boiling of the coolant.

Performance

SAE j1034, BS 6580, TS 3582

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Freezing Point °C, %100	Freezing Point °C, %50	Boiling Point °C, %100	Boiling Point °C, %50	pH, 20°C, %100	pH, 20°C, %50
1.12	128	-23	-38	164	108	8.15	9.08

* Values are changeable according to production.

Özel Antifriz



Package
Barreled.

Description

Supreme quality ethylene glycol based antifreeze containing specialty additives without phosphate and amine content. Provides complete cooling system protection against freezing, boiling, rust, corrosion, pitting and wear. Does not evaporate under radiator temperatures. For optimal performance, keep cooling system clean and free from leaks and use only fresh and clear water. Dilute with an equal amount of water for excellent protection against temperatures as low as -38°C. The boiling point of the product in pure state is 166°C. Enhances cooling performance of the system and has a service life longer than conventional anti-freezes. It is approved by MAN and Mercedes.

Performance

MAN 324 Type NF, MB 325.0,
ZF INTARDER, BMW N 600 69.0, AUDI TL
774 C, PORSCHE 774 C, SAAB TL 774 C,
VW TL 774 C, CATSEBU 6250-12, MTUMTL
5048, JENBACHER, SKODA, SEAT, OPEL

Typical Properties*

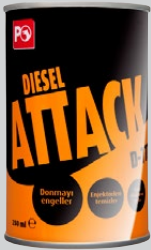
Density @ 15°C g/ml	Flash Point COC, °C	Freezing Point °C, %50	Freezing Point °C, %30	Boiling Point °C, %100	pH, 20°C, %100	pH, 20°C, %30
1.120	126	-38	-18	158	7.24	8.04

* Values are changeable according to production.



AUTOMOTIVE SPECIALTIES

Diesel Attack D-777 Diesel Additive



Package
In 250 cc plastic boxes.

Description

Petrol Ofisi Diesel Attack D-777 diesel fuel additive which is used in commercial vehicles and the owners of diesel-engine passenger cars to decrease fuel freezing point and which protects the engine, reduces air pollution, ensures fuel economy and provides maximum performance. It must be used before the diesel fuel gets frozen. Ideal choice for service in heavy duty applications, site and construction equipment, long distance transportation fleets, service vehicle equipped with turbocharger, high speed four stroke diesel engines. The addition of 1 container of ATTACK D-777 into 60-80 lt of diesel fuel provide the vehicle owners with the below benefits.

Typical Properties*

Density @ 15°C g/ml	Kinematic Viscosity @ 25°C mm ² /s	Freezing Point °C
0.897	2.02	-60

* Values are changeable according to production.

Hydraulic Brake Oils

Hidrolik Fren Yağı Series



Package
Barreled, in 500 cc
plastic boxes.

Description

Series of synthetic fluids which can be successfully used in the hydraulic brake systems of any type of vehicle. Its freezing point is extremely low. The initial boiling point is 230°C for DOT-3 and 260°C for DOT-4.

Typical Properties*

	Density @ 15°C g/ml	Boiling Point °C	Kinematic Viscosity @ 100°C mm ² /s
DOT-3	1.06	205	1.5
DOT-4	1.07	230	1.5

* Values are changeable according to production.

Performance

SAE J 1703, FMVSS 116

AUTOMOTIVE SPECIALTIES

Extended Life Coolant SNF Type, Long Life Cooling Liquid



Package
Barreled, 16 kg tin,
1 lt and 3 lt in bottles.

Description

It is a long life cooling liquid and formulated with organic acid technology that helps engine to work at ideal working temperatures. It protects all iron and aluminum engines perfectly against to rust and corrosions. It does not contain nitrite, boron, phosphorus, silicate and amines.

Performance

MB 325.3 MAN 324 Type SNF,
Deutz Cummins,
Ford WSS-M97B44-D, GM 6277M,
Saab VW TL 774F, Skoda,
DAF Trucks Scania TB 1451, Volvo,
Renault, Detroit Diesel Series 50&60,
Isuzu, Komatsu
Leyland Trucks,

Typical Properties*

Nitrite, Amine, Phosphate, Borate, Silicate	Color	Density 20°C, g/ml	pH in Water %33 vol.	Reserve Alkalinity (pH 5.5)	Freezing Point -20°C	Freezing Point -37°C	Boiling Point °C
N/A	Light Pink	1.11	8.4	6	%33 Antifreeze %67 Water	%50 Antifreeze %50 Water	166

* Values are changeable according to production.

Cam Suyu Antifrizi



Package
1 lt in pet bottles.

Description

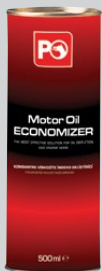
A concentrated washer fluid antifreeze containing detergent and methanol, formulated to prevent washer fluid and system from freezing. Enables washer fluid to resist freezing and windshield and windows from icing. Removes dirt, mud, oil, fly and plant residuals on glasses. The freezing point of product in pure state is -45°C; it decreases to -15°C when diluted with an equal amount of water. In summer, add 25% antifreeze to the washer fluid for good washing performance.

Typical Properties*

Density @ 15°C g/ml	Freezing Point °C 1/0	Freezing Point °C 2/1	pH, 20°C %100
0.89	-45	-28	9.43

* Values are changeable according to production.

Motor Oil Economizer Lubes Additive, VI Improver



Package
In 500 cc plastic boxes.

Description

Used by adding to engine oil. Prevents engine oil from thinning at high temperatures and reduces lubricant loses.

Typical Properties*

Kinematic Viscosity @ 40°C mm ² /s	Pour Point °C
142.1	-18

* Values are changeable according to production.



TRANSMISSION AND DIFFERENTIAL OILS

Gear Oils

MAXIGEAR S 75W-80 Synthetic, Long Life Transmission Oil



Package
Barreled, in 3 lt and
17.5 kg plastic bottle.

Description

Maxigear S 75W-80 is a synthetically based high-performance multigrade gear oil especially for manual transmissions of ZF with or without interaxle differentials of busses. It is recommended for extended oil drain intervals.

Performance

API GL-4, MIL-L-2105,
MAN 341 Typ. Z3,
ZF TE-ML 02D

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.883	230	66	9.6	130	-39

* Values are changeable according to production.

MAXIGEAR D 75W-90 Fully Synthetic, Long Life Axle Oil



Package
Barreled, in 3 lt and
17.5 kg plastic bottle.

Description

Maxigear D 75W-90 is a fully-synthetic high-performance multigrade gear oil for heavy-duty axles. It is recommended especially for trucks operating under heavy duty conditions and for extended oil drain intervals.

Performance

API GL-5, MIL-PRF-2015E,
MAN 342 S1, MB 235.8, DAF,
VOLVO 97312, ZF TE-ML 07A,
12B, 16F, 17B, SCANIA STO 1:0

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.863	220	115	16.8	160	-48

* Values are changeable according to production.

MAXIGEAR EP 85W-90 High Pressure Gear Oil



Package
Barreled.

Description

Maxigear EP 85W-90 is a high performance hypoid gear oil. Used in automotive differentials, manual transmissions and hypoid gears of passenger vehicles, heavy duty vehicles and construction equipment.

Performance

API GL-5

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.900	222	162.7	15.37	95	-24

* Values are changeable according to production.

TRANSMISSION AND DIFFERENTIAL OILS

Gear Oils

MAXIGEAR Universal Keban EP Series High Pressure and Multigrade Gear Oils



Package
Barreled, in 16 kg tin, 1 lt and 3 lt plastic bottles. MB 90, only barreled.

Description

Series of gear oils combining premium quality paraffinic base oils with a set of additives providing resistance to wear, rust, corrosion, oxidation and foaming. Designed to lubricate gear units that require an extreme pressure (EP) type of oil. All-season lubricants for use in a wide variety of transmissions, differentials, bevel, spiral bevel and hypoid gear assemblies of passenger cars and heavy duty vehicles.

Performance

API GL-5, MIL-L-2105D (MAXIGEAR 80W-90
Universal Keban EP 80W-90 and 85W-140), API GL-5, MIL-L-2105D, MB 90
MB-235.0 (Universal Keban EP MB 90)

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.898	222	153.35	14.79	95	-24
0.908	234	368.82	25.91	93	-12
0.91	226	231.4	19.21	93	-21

* Values are changeable according to production.

MAXIGEAR Universal Keban EP 80W-90 LS Limited Slip Featured Automotive Gear Oil



Package
Barreled.

Description

Gear oils meeting Limited Slip requirements, produced by modern high technology, combining premium quality base oils with a balanced set of additives. Designed for use in automotive applications, particularly in locked differentials and transmissions where Limited Slip feature is required. Minimises noise emissions from lock type differentials. Delivers excellent protection and extended service life for gearing functioning under high operating temperatures.

Performance

API GL-5, MIL-L-2105 D

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.898	222	153.35	14.79	95	-24

* Values are changeable according to production.

MAXIGEAR Keban EP Series High Pressure Gear Oil



Package
Barreled, 16 kg tin (80), 1 lt and 3 lt plastic bottles (80/90/140), EP MB 80, only barreled.

Description

Series of Extreme Pressure (EP) oils developed for use in manual transmissions, differentials and hypoid gear assemblies operating under moderate loads. Well suited for use in passenger cars, trucks, buses and construction equipment operating under service conditions requiring high speed-low torque or low speed-high torque.

Performance

API GL-4, MIL-L-2105, EP 80
MAN-341 Type N, EP 90
(Keban EP MB 80), EP 140
MB 235.1 (Keban EP MB 80)

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.888	228	85.22	10.14	99	-30
0.896	230	163.56	15.42	95	-21
0.907	258	398.8	27.21	93	-9
0.890	238	112.1	12.18	98	-27

* Values are changeable according to production.



TRANSMISSION AND DIFFERENTIAL OILS

Gear Oils

MAXIGEAR Keban EP 80W-90 High Pressure Gear Oil



Package
Barreled, in 16 kg tin.

Description

It is used for manual transmissions and hypoid gears of passenger vehicles, heavy-duty vehicles and construction equipment operating under high-speed, low-torque and low-speed high-torque conditions.

Performance
API GL-4, MIL-L-2105

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.897	240	152.8	15.2	100	-27

* Values are changeable according to production.

MAXIGEAR Keban Series Mineral Gear Oil



Package
Barreled, in 1 lt and
15 kg tin, 3 lt plastic
bottle.

Description

Series of mineral gear oils with lower-ash residual, for equipment in automotive and industrial applications not subject to extreme pressures. Protect metal against rust and corrosion by leaving an oil film on metallic surfaces.

Performance
API GL-1

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
90	0.864	276	258.94	20.61	93	-21
140	0.91	320	599.9	35.38	93	-12

* Values are changeable according to production.

TRANSMISSION AND DIFFERENTIAL OILS

Transmission and Automatic Gearbox Oils

ATF II Automatic Transmission Fluid with High Viscosity Index



Package
Barreled, in 1 lt, 3 lt and 17.5 kg plastic bottles.

Description

Automatic transmission fluid with high viscosity index, formulated by special additive package. Used in automatic transmissions and drive systems of the passenger cars and if recommended, in mechanism equipped with hydraulic systems.

Performance

GM Dexron II, GM Allison C4, MAN-339 Type V1, ZF-TE ML 02F, 03D, 04D, 14A, 17C, VOITH DIWA G607, MB-236.1

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.863	200	36.41	7.42	176	-42

* Values are changeable according to production.

ATF 3 Synthetic Automatic Transmission and Steering Fluid



Package
Barreled, in 1 lt, 3 lt and 17.5 kg plastic bottles.

Description

ATF 3 is an Dextron III level automatic transmission fluid which has been approved for use against the major European and North American OEM service fill specification. Used in automatic power shift transmissions, power steering and in mechanism equipped with hydraulic systems.

Performance

GM Dexron III H, Ford Mercon and Mercon V, MAN 339 Type Z2 and V2, Allison C4, ZF TE-ML-14B, Voith 55.6336

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.853	180	36.9	7.7	205	-45

* Values are changeable according to production.

ATF 3 ST Synthetic Automatic Transmission and Steering Fluid



Package
Barreled, 1 lt and 3 lt plastic bottles.

Description

Affordable synthetic gear box oil meeting Original Equipment Manufacturer specifications. Used in automatic gear boxes and transmissions and steering wheel gears of passenger cars and heavy duty vehicles and in hydraulic mechanisms where recommended.

Performance

GM Dexron III G, Ford Mercon, Voith, Allison C4

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.866	200	32.7	6.88	183	-42

* Values are changeable according to production.



TRANSMISSION AND DIFFERENTIAL OILS

Transmission and Automatic Gearbox Oils

MAXITRAK Transmisyon 300 Power Transmission Oil



Package
Barreled, 17.5 kg
plastic bottle, 15 kg tin.

Description

Power-train oil that designed for use in drive-train systems, brakes, hydraulic systems, final drive units and differentials of agricultural equipment, including tractors and site equipments. It has an extended service life.

Performance

Massey Ferguson CMS M1135,
FORD ESENM2C86B

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.89	248	89.62	11.04	109	-27

* Values are changeable according to production.

TMS Oil 500 Transmission and Hydraulic Oil



Package
Barreled, 17.5 kg
plastic bottle.

Description

It is a specially designed high performance transmission fluid, providing superior gear performance, chatter suppression, hydraulic pump and low temperature performances. It is a SAE 10W-30 viscosity grade transmission fluid and formulated as UTTO (Universal Tractor Transmission Oil) intended for use in hydraulics, transmissions, wet brake systems used in agricultural, construction and industrial equipment.

Performance

API CF-4/SF, API GL-4, ACEA E2, ZF
TE ML 06B and 07B, ALLISON C4,
Ford M2C 159B, 134D, New Holland
82009201/2/3, Case New Holland
MAT 3532 and 3526, John Deere J27,
J20C, Massey Ferguson CMS M 1144
and 1139, Massey Ferguson CMS M
1145, M 1143 and 1135

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.882	224	67.3	10.4	141	-39

* Values are changeable according to production.

TRANSMISSION AND DIFFERENTIAL OILS

Transmission and Automatic Gearbox Oils

TMS Oil 970 Series High Performance, Heavy Duty Transmission Oil for Construction Machines



Package
Barreled, in 17.5 kg plastic bottles.

Description

Petrol Ofisi TMS Oil 970® Series is a high performance transmission oil developed for use in transmissions of construction machinery with wet brake systems and torque converters, operating under heavy-duty conditions. It is properly used in old and new model construction machinery. It delivers excellent performance under variable load and speed conditions by keeping friction under control due to its high load-carrying capacity. This oil series are suitable for transmissions of construction machinery required CAT TO-4, GM Allison C4 and Komatsu Micro Clutch technical specifications.

Performance

971 GM Allison C-4, Caterpillar TO-4,
973 Komatsu Micro-Clutch,
975 API CF-2, Caterpillar 1M-PC, ZF TE-ML 01, 03

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
971	0.885	242	37.55	6.08	107	-30
973	0.898	256	104.7	11.58	98	-15
975	0.909	258	216.2	18.53	95	-12

* Values are changeable according to production.

Torque Fluid 32 Paraffinic Based Power Transmission Oil



Package
Barreled.

Description

It is a power-train oil resistant to oxidation and deposit formation with anti-rust, anti-corrosive features. Developed for use in hydraulic torque converters and transmissions of heavy duty vehicles, including particularly locomotives.

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
	0.875	220	33.0	5.42	103	-30

* Values are changeable according to production.

Transmission Fluid Type C Paraffinic Based Power Transmission Oil



Package
Barreled.

Description

A high viscosity index oil resistant to oxidation, rust and foaming. Recommended for automatic transmissions.

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
	0.880	230	42.567	6.689	111	-30

* Values are changeable according to production.



MARINE ENGINE OILS

Cylinder and System Oils

Deniz Dizel 1000 Series



Package
Bulk and barreled.

Description

It is a high-performance marine diesel oil, formulated by addition of special additive package and alkali type detergent into paraffin base oils. It is used as pan oils in piston type marine diesel engines and cylinder oil in crosshead type engines. Performs well during Alfa Laval Centrifuge and Cooking Bench tests for the removal of the water and other insoluble particles.

Performance
API CF

Typical Properties*

	TBN mgKOH/gr	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
SAE 30	16	230	90	10.3	100	-18
SAE 40	16	235	144	14.3	97	-15

* Values are changeable according to production.

Deniz Dizel 2000 – 3000 Series



Package
Bulk and barreled.

Description

It is a high-performance marine diesel oil, formulated by addition of special additive package and alkali type detergent into paraffin base oils. It is used as pan oils in piston type marine diesel engines and cylinder oil in crosshead type engines. Performs well during Alfa Laval Centrifuge and Cooking Bench tests for the removal of the water and other insoluble particles.

Performance
API CF

Typical Properties*

	TBN mgKOH/gr	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
3000 SAE 30	35	220	88	10	106	-18
3000 SAE 40	35	220	150	15	100	-18
2000 SAE 30	26	225	96	11	99	-18
2000 SAE 40	26	225	144	16	103	-15

* Values are changeable according to production.

MARINE ENGINE OILS

Cylinder and System Oils

Super DCL Series



Package
Bulk and barreled.

Description

They are marine cylinder oils with improved anti-oxidation and wear preventive specialties. They are used in lubrication of the cylinders of high-output marine engines and stationary diesel engines. Prolong service life of the engines operating with high sulfur content fuels.

Typical Properties*

	TBN mgKOH/gr	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
Medium	40	270	107.8	12	99	-9
Heavy	40	274	162.5	16	97	-9
Special	70	260	169.7	17	97	-9
303	30	270	106.3	11.6	99	-12
304	30	272	132.5	13.1	99	-12

* Values are changeable according to production.

Marine System Oil Series



Package
Bulk and barreled.

Description

They are marine diesel engine oils with improved anti-oxidation, anti-corrosion/rust properties. They are used in the oil pan of the low-speed marine diesels.

Typical Properties*

	TBN mgKOH/gr	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
30	6.0	244	102	12.0	104	-15
40	6.0	278	148	14.5	95	-15

* Values are changeable according to production.



INDUSTRIAL OILS

Turbine and Circulation Oils

Türbin Yağı Series

Description

Series of supreme quality oils, produced as a synthesis of high quality base oils with special additives to ensure long service life provide good resistance to rust and oxidation and inhibit foaming. For use in a wide variety of industrial applications such as gas, steam and hydraulic turbines and air compressors, as well as bearings and hydraulic systems. Recommended also for lubricating enclosed gearing trains not exposed to extreme pressures. Displays superior air and water dispose features, resistant to rust and rust formation and has an excellent oxidation stability.

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
22	0.868	188	21.53	4.21	96	-18
32	0.89	224	32.65	5.47	102	-30
46	0.89	230	45.71	6.86	105	-24
68	0.88	236	67.72	8.71	100	-18
100	0.88	256	102.7	11.23	95	-12
150	0.89	260	161	15.1	93	-12
220	0.89	260	224.9	18.71	93	-9
320	0.9	260	336	24	94	-9

* Values are changeable according to production.



Package
Barreled.

Performance

DIN 51515 (R+0), BS 489,
MIL-L-17672 D

INDUSTRIAL OILS

Gear Oils

Gravis SP Series

Description

Petrol Ofisi Gravis SP Series are high performance synthetic gear lubricants. Due to their specifically formulated synthetic structures, they protect gear systems and extend equipment life even under extremely severe service conditions. It is recommended particularly for roll bearings operating under elevated temperatures, spur, helical and bevel gears, as well as enclosed gear-boxes containing any type of gear.

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
100	0.853	240	104.74	14.74	146	-45
150	0.858	244	158.0	20.09	147	-42
220	0.859	250	228.3	26.39	148	-39
320	0.862	250	333.4	35.57	152	-36
460	0.862	258	472.4	47.48	159	-30

* Values are changeable according to production.



Package
Barreled and in 17.5 kg
plastic box.

Performance

FLENDER AG and REMAS.
AGMA9005-D94 (EP),
DIN 51517 Part III,
US Steel 224,
David Brown S1.53.101 Type E,
SEB 184.226 I,
Cincinnati Machine P-74

INDUSTRIAL OILS

Gear Oils

Gravis MP Series

Description

It is lead-free, enclosed gear system oil designed in combination with the specially developed new generation additive that provides protection against scratching under severe loading, micro-pitting and teeth breakage. It successfully passed FLENDER's two-year oxidation resistance performance tests for 10,000 hours at average temperature of 80°C. It is recommended to use in applications that require Flender AG specifications to provide the resistance against the scratching of the surfaces of the mating gears during the slipping-rolling motion, micro-pitting and formation of the brakes. It can be used in all kind of gearbox designs, including worm gear sets.



Package
Barreled.

Performance

FLENDER AG and REMAS.
DIN 51517 Part 3CLP, DIN 51354
Part II, FVA-54/II,
David Brown S1.53.101,
AGMA 9005-D94, Cincinnati
Milacron, SEB181-226 and
TH-N 256-142, USS 224

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
150	0.896	266	151.85	14.85	94	-24
220	0.901	280	226.67	18.67	93	-18
320	0.907	304	323.57	23.69	93	-12
460	0.911	296	475.1	30.14	91	-9

* Values are changeable according to production.

Gravis M Series

Description

It is a high-quality enclosed gearbox oil featuring excellent load carrying capacity, formulated with high quality base oils and special additive package. It is designed to use in all types of enclosed gear boxes. It is recommended mainly for cement, iron and steel industries, where severe and impact loads are encountered. It is used in gear systems of rolling stands, piling machines, cranes, excavators, cranes, conveyors, machine tools and elevators. ISO 1000, 1300 and 1500 series are recommended for open gear lubrications and, locomotive excitation systems.



Package
Gravis M 1000,
Gravis M 1500 are
barreled, other
products are barreled
and in 16 kg tin.

Performance

AGMA 250.04,
AGMA 9005 D-94,
AGMA 9005 E-02,
US STEEL No.224,
DIN 51517 Part 3 (2004)

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
68	0.885	232	68.86	8.81	100	-30
100	0.891	246	95.69	10.86	97	-24
150	0.896	248	156.3	14.98	92	-24
220	0.900	250	225.6	18.94	94	-18
320	0.905	252	329.9	24.17	94	-12
460	0.909	254	469.9	30.47	94	-9
680	0.913	230	665	38.75	96	-9
1000	0.912	242	1050	55.97	103	-9
1500	0.918	294	1500	66.0	94	-6

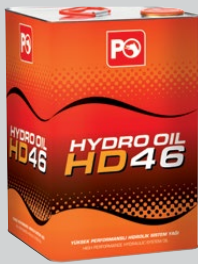
* Values are changeable according to production.



INDUSTRIAL OILS

Hydraulic System Oils

Hydro Oil HD Series



Package

Hydro Oil HD 10 and HD 37, Hydro Oil HD 32, Hydro Oil HD 46 and Hydro Oil HD 68 barreled and in 15 kg tin, other products barreled.

Description

Series of lubricants developed by an advanced technology additives preventing oxidation, wear and corrosion. Recommended for all dynamic hydraulic systems. Used in a range of specific industrial applications, including site equipment, presses, dynamic structural components, plastic injection and extrusion equipment, screw air compressors. Displays superior air and water wash-out features. Inhibits pump and engine wear in hydraulic systems operating under severe conditions. Thanks to their foam-inhibiting additive content, protects system against pitting. HYDRO TECH HVI oils are recommended for heavy duty site equipment operating under a wide range of temperatures.

Performance

DIN 51524 Part II, Denison HF-0, HF-1, HF-2, Cincinnati Milacron P 68, P 69, P 70, Vickers HP Vane Pump Tests, M-2950 S, I-286 S

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
10	0.856	138	10	2.68	100	-30
22	0.869	224	22	4.5	101	-30
32	0.876	216	32	5.6	105	-27
37	0.876	234	37	6.0	100	-24
46	0.879	234	46	6.7	99	-24
68	0.887	244	68	8.8	100	-24
100	0.887	242	100	10.9	94	-21
150	0.893	270	150	14.8	94	-12
220	0.898	268	220	18.7	91	-12

* Values are changeable according to production.

Hydro Oil AW 46



Package

Barreled.

Description

It is highly stable anti-wear type hydraulic system oil for preventing wear, oxidation and rust. It is recommended to all industrial and moving hydraulic systems. Among its special industrial applications include construction machines, presses, moving construction equipment, plastic injection and drawing machines and screw-type air compressors. It provides minimum 30 N/mm² from Brugger test. It passes over 12 from FZG test.

Performance

DIN 51524 Part II, Müller Weingarten, Arburg, Denison HF-0, HF-1, HF-2, Cincinnati Milacron P-68, P-69, P-70 Vickers HP Vane Pump Tests, M-2950 S, I-286 S

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
	0.880	238	46	6.8	101	-24

* Values are changeable according to production.

Hydro Oil TX Series



Package

Barreled.

Description

Hydro Oil TX Series are premium grade, ashless hydraulic oils. They have high filterability and contain a very effective non-zinc anti-wear additive package especially to protect yellow metals. They are strongly advised for hybrid hydraulic pumps. It is recommended to all industrial and mobile hydraulic systems where there are intensive environmental restrictions to use oils containing heavy metal agents such as zinc. Among its special industrial applications include construction machines, presses, mobile construction equipment, plastic injection molding and drawing machines, high speed-high pressure vane and gear pumps, screw-type air compressors, speed reducers and marine hydraulic applications.

Performance

DIN 51524 part II, Denison Hydraulics HF-0 Cincinnati Machine P-68, P-69, P-70 Eaton M-2950-S (Moveable equipment), Eaton I-286-s3 (Industrial equipments), AFNOR NF E 48-603 (HM)

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
32	0.874	224	32	5.4	103	-27
46	0.880	234	47	7.02	103	-24
68	0.873	258	70	8.9	101	-24
100	0.880	236	100	11	96	-18

* Values are changeable according to production.

INDUSTRIAL OILS

Hydraulic System Oils

Hydro Tech HVI Series



Package
Hydro Tech HVI 46 and Hydro Tech HVI 68 barreled and in 15 kg tin, other products barreled.

Description

It is hydraulic system oil with high Viscosity Index, manufactured with high-quality base oils supplemented with special additive package. It is recommended for all industrial non-stationary hydraulic and vessel hydraulic systems. Among its special industrial applications include construction machines, presses, traveling construction equipment, plastic injection and drawing machines.

Performance

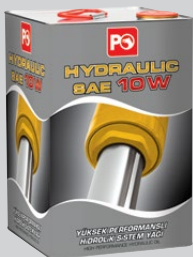
DIN 51524 Part II, Part III, Denison HF-0, HF-1, HF-2 (Approved), Cincinnati Milacron P 68, P 69, P 70 (Approved), Vickers HP Vane Pump Tests, M-2950 S, I-286 S

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
15	0.859	138	16.04	4.43	207	-36
22	0.865	176	23.55	5.58	190	-36
32	0.871	208	33.58	6.87	169	-36
37	0.872	208	39.02	7.96	182	-33
46	0.876	228	45.43	8.69	173	-33
68	0.880	224	71.79	12.47	174	-33
100	0.884	238	107.35	17.21	176	-30

* Values are changeable according to production.

Hydraulic SAE 10W



Package
Barreled and in 15 kg tin.

Description

Petrol Ofisi Hydraulic SAE 10W is high performance hydraulic oil that is especially developed for construction machines hydraulic systems under heavy works. Provides longer equipment life by its high oxidation and corrosion resistance. It helps to extend the oil changing periods, provides economy from operative expenses.

Performance

API CF, Allison C3, CAT T0-2

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
	0.882	228	38.47	6.39	116	-30

* Values are changeable according to production.



INDUSTRIAL OILS

Compressor Oils

Compressor Oil XT Series

Description

It is a high-quality compressor oil with a long service life, manufactured with zinc-free technology. It meets most of the specifications of equipment producers. Specially designed for reciprocating and rotary screw type air compressors.



Package

Compressor Oil XT 32 is barreled and in 15 kg tin, other products barreled and in 16 kg tin.

Performance

DIN 51506 VD-L

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
32	0.874	222	33	5.6	103	-27
46	0.880	244	47	7.0	103	-24
68	0.883	256	69	8.9	101	-18
100	0.889	236	100	11	96	-18

* Values are changeable according to production.

INDUSTRIAL OILS

Metal Working and Cutting Oils

Bor Yağ



Package
Barreled and in
15 kg tin.

Description

It is a multi-purpose water soluble metal cutting fluid, used with 5-10% concentrations for machining operations. It is suitable for use as lubricant and coolant light and heavy machining operations of the metals like aluminum and copper alloys, soft and cast iron (machining operations) and drawing of aluminum bars (non-machining operations). It provides excellent cooling.

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s
0.885	-	25	-

* Values are changeable according to production.

Procut A



Package
Barreled.

Description

Procut A is a neat, chlorine free cutting oil formulated with well refined mineral oil and additive package of latest technology. It is formulated for high-speed metal-cutting operations, and suitable for: Machining of both ferrous and non-ferrous metals. Deep drilling of aluminum alloys, honing.

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s
0.90	158	13.3	3.0

* Values are changeable according to production.



INDUSTRIAL OILS

Metal Working and Cutting Oils

Procut HD



Package
Barreled and in
17.5 kg plastic bottle.

Description

Procut HD is a chlorine free neat cutting oil formulated with well refined mineral oil and additive package of latest technology. It is especially manufactured for heavy duty metalcutting operations. Suitable for many cutting operations like bolt manufacturing, turning, freezing, threading, broaching and tapping.

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s
0.89	210	39.05	6.34

* Values are changeable according to production.

Procut MD



Package
Barreled and in
17.5 kg plastic bottle.

Description

Procut MD is a chlorine free neat cutting oil formulated with well refined mineral oil and additive package of latest technology. It is especially formulated for cutting operations of medium and high-tensile metals. Suitable for many cutting operations like bolt manufacturing, turning, freezing, threading, broaching and tapping. When necessary, it could also be used in lubrication systems and hydraulic units.

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s
0.88	216	40.46	-

* Values are changeable according to production.

Procut LD



Package
Barreled and in
17.5 kg plastic bottle.

Description

Procut LD is a chlorine free neat cutting oil formulated with well refined mineral oil and additive package of latest technology. It is formulated for cutting operations of low and medium-tensile metals. Suitable for many cutting operations.

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s
0.875	212	28.59	-

* Values are changeable according to production.

INDUSTRIAL OILS

Metal Working and Cooling Fluids



Package
Barreled, in 20 lt plastic bottle.

System Cleaner

Description

MACHINE AND SYSTEM CLEANER: It is a heavy duty type cleaner that is formulated to clean central systems, metal cutting machinery and tools and liquid lines. It removes deposits that generate due to dirt, oil and hard water. It eliminates the bacteria and microorganisms very well. It extends the life of metal cutting fluids.

Appearance : Light green, limpid
Smell : Light
Density : 1.045 gr/cm³ in 15.6°C pH concentrate (3% deionized water mixture) 12.20

RECOMMENDED START CONCENTRATIONS
By Adding to metalcutting fluid 1-1.5%
Cleaning with water 2%

Refractometer coefficient is 1, if it will be controlled with refractometer and it mustn't be forgotten that coefficient is valid for a clean emulsion.



Package
Barreled, in 20 lt plastic bottle.

Description

FULLY SYNTHETIC GRINDING FLUID: It is fully synthetic grinding liquid that provides high performance in various grinding works. It is formulated by using the highest technology. It provides excellent protection against rust and generates stable solutions. Foaming stability is very high, separates excellent from the thin saw dusts. It is resistible against bacteria and fungus generation. Because of its synthetic formulation, it prevents glazing and filling of pores of grinding tools by the help of good washing properties.

Appearance : (3% solution) light yellow, clean liquid
Density : 1.090 gr/cm³ in 15.6°C
pH (3% deionized water solution) 10.2

RECOMMENDED START CONCENTRATIONS
Grinding operations 3-5%

Refractometer coefficient is 2.6, if it will be controlled with refractometer and it mustn't be forgotten that coefficient is valid for a clean solution.



Package
Barreled, in 20 lt plastic bottle.

Description

METALCUTTING FLUID FOR LIGHT/MEDIUM DUTY CUTTING OPERATIONS: It is a biostable, emusifiable, medium oiled metalcutting liquid that is developed for cutting and grinding operations of various materials. It is suitable to use with hard waters. It generates a semi-transparent emulsion when mixed with water. With the help of its high-performance additives, it provides very good cutting performance. It is suitable for light and medium weight cutting operations. Cleancut 200 is suitable to use in plenty of non ferrous metals because of its special formulation.

Appearance : Light amber
Density : 1.020 gr/cm³ in 15.6°C
pH (3% deionized water mixture) 9.43

RECOMMENDED START CONCENTRATIONS
Turning : 5-6% Gear cutting : 6-7%
Milling : 5-6% Sawing : 5-6%
Drilling : 5-6% Grinding : 4-5%

Refractometer coefficient is 1.5, if it will be controlled with refractometer and it mustn't be forgotten that coefficient is valid for a clean emulsion.



INDUSTRIAL OILS

Metal Working and Cooling Fluids

Cleancut 300



Package
Barreled, in 20 lt
plastic bottle.

Description

METALCUTTING FLUID FOR MEDIUM/HIGH DUTY CUTTING OPERATIONS: It is a biostable, emusifiable, medium oiled, EP added metalcutting liquid that is developed for cutting and grinding operations of various materials. With the help of its EP and ester including high-performance additives, it provides very good cutting performance. It is suitable to use with hard waters. It is suitable to medium and heavy weight process operations and an ideal liquid for aluminum and aluminum-compounds because of its special formulization.

Appearance : Light amber
Density : 1.026 gr/cm³ in 20°C
pH (3% deionized water mixture) 9.40

RECOMMENDED START CONCENTRATIONS

Turning : 5-6%	Gear cutting : 6-7%
Milling : 5-6%	Sawing : 5-6%
Drilling : 5-6%	Grinding : 4-5%

Refractometer coefficient is 1.3, if it will be controlled with refractometer and it mustn't be forgotten that coefficient is valid for a clean emulsion.

Cleancut 400



Package
Barreled, in 20 lt
plastic bottle.

Description

HEAVY DUTY CUTTING FLUID: It is water soluble metal processing liquid that is developed for high performance requiring heavy metal cutting processes. With the help of its EP and ester including high-performance additives, it extends the equipment life by its high lubrication and cutting performance. Cleancut 400 is an oily fluid, that generates highly biostable micro emulsions with waters of different hardness grades. It is suitable to use in plenty of ferrous and non ferrous metal compounds. It doesn't leave stain on the aluminum.

RECOMMENDED START CONCENTRATIONS

Heavy Turning/Heavy Milling/Gear cutting,
Heavy Grinding, Pinning 5-10%
Deep Drilling/Reaming/Tapping/High Alloyed
Steels 5-10%

Refractometer coefficient is 1, if it will be controlled with refractometer and it mustn't be forgotten that coefficient is valid for a clean emulsion.

INDUSTRIAL OILS

Quenching and Heat Transfer Oils

Heat Transfer Oil 32



Package
Barreled, 15 kg tin.

Description

Heat transfer fluids used in industrial processes. These oils have superior thermal stability and oxidation-resistance and no corrosive effect on steel and copper material. Can be safely used in industrial applications at operating temperatures up to 315°C for enclosed systems and 200°C for open systems. These oils have high specific heat and thermal stability values. Reduced evaporation features and good performance at low temperatures. For proper product choice, consider the recommendation of system manufacturer or consult our experts.

Performance
Kema Qualit B.V., HOLMES

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.872	222	6.8	32	102	-15

* Values are changeable according to production.

Isıl İşlem Yağı



Package
Barreled.

Description

Speciality quenching oil formulated by utilising a set of additives to ensure, in steel machining applications, a desirable hardening of steel through successive improvements in its structure, without any deterioration or loss of colour. Also accelerates the cooling speed of steel.

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.870	210	22.86	4.41	105	-15

* Values are changeable according to production.



INDUSTRIAL OILS

Insulating Oils

Trafo Yağı



Package
Barreled.

Description

It is a high-quality, resistant to heat oil. Penetration tension is 50 kV according to VDE 37", it is used as isolation oil in transformers and interrupters.

Performance

ASTM D 3487 TYPE II,
It is certified by TEK.

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s
0.883	148	11	-55

* Values are changeable according to production.

Slide-Way Oils

Kızak Yağı Machine Tool Slide Oil



Package
Barreled, in 16 kg tin.

Description

They are oils which are specially developed for lubrication of stand's sledges. It is added excessive pressure (EP) additive to reduce the friction coefficient. Also it indicates lubrication increaser additive to supply fibroid structure. It provides first motion easiness to machine pieces. It is protective against run out and corrosion. It is resistive against gel formation in boron oil and alkali matters included. It sticks to the metal surfaces very well. It can be produced interval viscosity sledge oils if it is requested.

Performance

CINCINNATI MACHINE P-47,
P-50, P-53

Typical Properties*

Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
0.88	236	67.30	8.68	100	-18
0.89	248	219	18.52	94	-9

* Values are changeable according to production.

INDUSTRIAL OILS

Rock Drill Lubricants

Rock Drill Lubricants Series



Package
Barreled, in 17.5 kg plastic box.

Description

Specialty lubricants for meeting lubrication requirements of pneumatic percussion tools, including rock drilling equipment such as augers, rock drills, air drop hammer drivers and chisel hammers. Formulated as a synthesis of base oils with a set of additives ensuring resistance to Extreme Pressures (EP), rust and water washout. Adheres perfectly to drilling surface. Displays foam-retarding features.

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
46	0.879	214	45.52	6.85	105	-27
100	0.889	225	106.88	11.74	98	-27

* Values are changeable according to production.

Mould Oils

Kalıp Yağı Series



Package
Barreled.

Description

Kalıp Yağı YPM1: It is water resistant, indicating special additives, especially developed on the purpose of lubrication of steel concrete forms of big dimensions such as structure factors. It is highly suitable to injection and also it can be used by applying a brush.

Kalıp Yağı CT: It is water resistant oil and used for concrete lubrication. It provides the concrete not to stick to the moulds, separates easily. It eliminates the mould cleaning. It is used in steel and wood moulds.

Typical Properties*

	Density @ 15°C g/ml	Flash Point COC, °C	Kinematic Viscosity @ 40°C mm ² /s	Kinematic Viscosity @ 100°C mm ² /s	Viscosity Index	Pour Point °C
YPM1	0.84	124	7.0	2.1	122	-21
CT	0.84	110	5	2	100	-20

* Values are changeable according to production.



GREASES

Automotive Greases

Hi-Termo 850

Description

A multipurpose, non-lead, inorganic grease; developed to meet the lubrication requirements of vehicles with low and intermediary engine speeds, servicing under heavy loads at high operating temperatures. Its unique formulation reinforced with Extreme Pressure (EP) additives enables the applied grease layer to resist shearing stresses. Its superior oxidation stability ensures that both the product and the applied bearings will have an extended service life. Please consult our experts for applications involving temperatures up to 195°C. Its base oil viscosity grade is ISO VG 680.



Package
Barreled, 16 kg tin.

Typical Properties*

NLGI	Soap Type	Worked Penetration 25°C	Timken OK 50 lb
1.5	Soap-Free	316	Pass

* Values are changeable according to production.

Carius EP 146

Description

Extreme pressure/temperature grease with high oxidation stability and water washout resistance features. Developed for industrial applications subject to heavy impact loads. Strongly recommended for applications subject to high temperatures in the iron-steel industry, as well as the paper and cement industries. Resistant to chemicals used in the paper industry. Displays good performance in Wet Sections. Its base oil viscosity grade is ISO VG 640. Under expert supervision, it can be employed in applications subject to temperatures up to 175°C. Meets Timken test standards at the level of 50 lb.



Package
Barreled, 16 kg tin.

Typical Properties*

NLGI	Soap Type	Worked Penetration 25°C	Timken OK 50 lb	Pour Point °C
1.5	Lithium Complex	319	Pass	250

* Values are changeable according to production.

GREASES

Automotive Greases

Carius EP 220

Description

Extreme pressure grease with high water washout resistance features. Developed for industrial applications subject to impact loads and speeds. Recommended for all industrial applications subject to water exposure and heavy loads, particularly rolling mill bearings and grease-lubricated parts of paper machines. Under expert supervision, it can be applied in applications at temperatures up to 175 °C. Meets Timken test standards at the level of 50 lb.



Package
Barreled, 16 kg tin.

Typical Properties*

NLGI	Soap Type	Worked Penetration 25°C	Timken OK 50 lb	Pour Point °C
2	Lithium Complex	270	Pass	260

* Values are changeable according to production.

Carius EP 320

Description

Extreme pressure grease with high water washout resistance features. Developed for industrial applications subject to impact and vibratory live loads. Recommended for all grease-lubricated parts of site equipment operating under vibratory loads during wet and muddy operating conditions in any industrial field, the particularly mining industry. Its molybdenum-disulphide content provides protection to roller bearings under vibratory loads. Its base oil viscosity grade is ISO VG 320. It can be applied in applications at temperatures up to 175 °C. Meets Timken test standards at the level of 50 lb.



Package
Barreled, 16 kg tin.

Typical Properties*

NLGI	Soap Type	Worked Penetration 25°C	Timken OK 50 lb	Pour Point °C
2	Lithium Complex	270	Pass	260

* Values are changeable according to production.



GREASES

Industrial Greases

Mega Gres WR1/2

Description

A premium quality water resistant grease for steel mill applications. Based on a mixed lithium-calcium soap thickener fortified with powerful extreme pressure/anti-wear, anti-rust additives to enhance its performance in a wide range of applications. Its unique combination of thickener, base oil, additives and unique manufacturing processes results in its outstanding structural stability and water resistance properties.



Package
Barreled.
WR2: Barreled,
16 kg tin.

Typical Properties*

NLGI	Soap Type	Base Oil Viscosity cSt at 40 °C	Welding Point min, kg	Timken OK 50 lb	Pour Point °C
1-2	Lithium/Calcium	150	250	Pass	185

* Values are changeable according to production.

Molibdenli Gres 2

Description

Multipurpose grease containing molybdenum-disulphide. Used in a wide range of industrial applications, including frame components, jointed connecting links, propeller shaft joints, wheel bearings, wheel front end components, and bushing joint pins. Further, it is a perfect choice for various applications where molybdenic greases are desired, particularly sliding surfaces, roller bearings, railway materials, conventional wheel bearings and chains. It provides active protection through a solid grease layer which clings to metal parts, displays good anti-chatter performance, and enhances the rotation of steering wheel. Good resistance to water and heat. Used in applications at operating temperatures of -20 °C to 120 °C.



Package
Barreled, 16 kg tin.

Typical Properties*

NLGI	Soap Type	Worked Penetration 25°C	Timken OK 50 lb	Pour Point °C
2	Lithium	292	Pass	195

* Values are changeable according to production.

GREASES

Industrial Greases

Super Gres EP 00

Description

Developed particularly for commercial vehicles with a central greasing system based on capillary distribution channels. Can be used in applications at operating temperatures up to 110 °C.



Package
Barreled, 16 kg tin.

Typical Properties*

Worked Penetration 25°C	Timken OK 40 lb	Pour Point °C
425	Pass	160

* Values are changeable according to production.

Super Gres EP Series

Description

Series of multipurpose extreme pressure greases. Suitable in any industrial application subject to heavy and shock loads. Provides the same superior performance under both dry and wet conditions. Displays excellent extreme pressure features. Resistant to oxidation, water and mechanical stresses. Does not exert corrosive effects on bearing material. Meet Timken test standards minimum at the level of 50 lb. Its base oil viscosity grade is ISO VG 220. Used in applications at operating temperatures of -20 °C to 130 °C.



Package
Super Grease EP 2 barreled, 16 kg tin and 0.9 kg easy open boxes, Super Grease EP 3 16 kg tin, 4 kg bucket and 0.9 kg easy open boxes, other products barreled and 16 kg tin.

Typical Properties*

	Soap Type	Worked Penetration 25°C	Dropping Point [°C]
EP 0	Lithium	355	200
EP 1	Lithium	318	203
EP 2	Lithium	268	208
EP 3	Lithium	230	208

* Values are changeable according to production.



GREASES

Industrial Greases

Super Gres MP 2

Description

A water-resistant, thermo-stable multipurpose grease. Ideal choice for a wide variety of automotive and industrial applications with operating temperatures ranging from -120°C to 120°C . Excellent load-carrying performance.



Package

Barreled, 4 kg bucket,
16 kg bucket and
0.9 kg easy open
boxes.

Typical Properties*

Worked Penetration 25°C	Pour Point °C
282	200

* Values are changeable according to production.

Super Gres 2 / Super Gres 3

Description

Multipurpose greases resistant to water, heavy loading and high temperatures. Used as a unique lubricant in a wide variety of industrial applications which does not require a special type of grease, suitable within a broad range of operating temperatures (-150°C to 120°C). Displays excellent performance in lubricating conventional and roller bearings, any types of sliding surfaces and all grease-lubricated components. Displays good performance when applied to grease-lubricated parts of automotive equipment. It has excellent oxidation stability, mechanic stability and water-resistance. Base oil viscosity grade is ISO VG 100. Not recommended for applications subject to extremely heavy and shock loads. In that cases Super Gres EP series are recommended.



Package

Barreled, 4 kg bucket,
16 kg bucket and
0.9 kg easy open
boxes.

Typical Properties*

	Soap Type	Worked Penetration 25°C	Pour Point °C
Super Gres 2	Lithium	278	150
Super Gres 3	Lithium	203	190

* Values are changeable according to production.

GREASES

Industrial Greases

Kap Gres Series

Description

Series of water resistant greases. Provides quick and effective lubrication in applications where operating temperatures do not exceed 80°C; in particular, low velocity conventional bearings subject to moderate loads. Easily applied. Kap Gres Series displays excellent sealing performance in water pumps.



Package
Barreled, 16 kg tin,
4 kg bucket and
0.9 kg easy open
boxes.

Typical Properties*

NLGI	Soap Type	Worked Penetration 25°C	Pour Point °C
2	Calcium	278	106
3	Calcium	236	107

* Values are changeable according to production.

Kauçuklu Gres Series

Description

Highly viscous grease with anti-fretting features. Developed for use in any type of roller bearing and frame applications in the field of light and commercial vehicles, as well as farming equipment.



Package
Barreled, 16 kg tin, 4 kg
bucket and 0.9 kg easy
open boxes. Kauçuklu
Gres 3: Barreled, 16
kg tin.

Typical Properties*

NLGI	Soap Type	Worked Penetration 25°C	Pour Point °C
2	Calcium	265	90
3	Calcium	244	90

* Values are changeable according to production.



PRODUCT COMPARISON TABLE

PRODUCT COMPARISON TABLE

Passenger and Light Commercial Vehicle Engine Oils

PETROL OFİSİ	MOBİL	SHELL	BP	CASTROL
maxima 0W-30	MOBİL 1 FUEL ECONOMY 0W-30	SHELL HELIX ULTRA AV 0W-30	BP VISCO 7000 M 0W-30	CASTROL EDGE PROFESSIONAL A5 0W-30
maxima FM 5W-30	MOBİL SUPER 3000 FORMULA FE 5W-30	SHELL HELIX ULTRA AF 5W-30	BP VISCO 5000 SAE 5W-30	CASTROL MAGNATEC PROFESSIONAL 5W-30
maxima VSA 5W-30	MOBİL 1 ESP FORMULA 5W-30	SHELL HELIX ULTRA AV-L 5W-30 SHELL HELIX ULTRA EXTRA 5W-30		CASTROL EDGE 5W-30
maxima GA 5W-30 dexos2	MOBİL 1 ESP FORMULA 5W-30	SHELL HELIX HX7 AG 5W-30		CASTROL EDGE PROFESSIONAL OE 5W-30
maxima DIESEL LA 5W-30	MOBİL 1 ESP FORMULA 5W-30	SHELL HELIX DIESEL ULTRA AB-L 5W-30	BP VISCO 7000 5W-30	
maxima RN 5W-30	MOBİL SUPER 3000 FORMULA R 5W-30	SHELL HELIX DIESEL ULTRA AR-L 5W-30		CASTROL EDGE PROFESSIONAL C4 5W-30
maxima XT 5W-30				
maxima 5W-40	MOBİL SUPER 3000 X1 5W-40	SHELL HELIX ULTRA 5W-40	BP VISCO 5000 C 5W-40	CASTROL EDGE 5W-40
maxima DIESEL 5W-40	MOBİL SUPER 3000 X1 5W-40	SHELL HELIX DIESEL ULTRA 5W-40	BP VISCO 5000 TURBO DIESEL 5W-40	CASTROL EDGE TURBO DIESEL 5W-40
maxima 10W-40	MOBİL SUPER 2000 X1 10W-40	SHELL HELIX HX7 10W-40	BP VISCO 5000 SAE 10W-40	CASTROL MAGNATEC 10W-40 A3/B4
maxima DIESEL 10W-40	MOBİL SUPER 2000 X1 DIESEL 10W-40	SHELL HELIX DIESEL HX7 10W-40	BP VISCO 5000 10W-40	CASTROL MAGNATEC DIESEL 10W-40 B4
maxima AUTO LPG 10W-40		SHELL HELIX HX7 10W-40	BP VISCO 3000 10W-40	
maxima 15W-40	MOBİL SUPER 1000 X1 15W-40	SHELL HELIX HX5 G 15W-40	Helix HX5 15W-40	CASTROL GTX 15W-40 A3/B4
maxima DIESEL 15W-40				
maxima 20W-50	MOBİL SUPER 1000 X1 20W-50	SHELL HELIX HX3 20W-50	BP VISCO 2000 SAE 20W-50	CASTROL GTX 20W-50
maxima AUTO LPG 20W-50	MOBİL SUPER 1000 X1 20W-50	SHELL LPG SÜPER PLUS 20W-50	BP VISCO 2000 LPG 20W-50	CASTROL GTX LPG 20W-50
maxima PG 5W-30	MOBİL 1 ESP FORMULA 5W-30	SHELL HELIX DIESEL ULTRA EXTRA 5W-30		CASTROL MAGNATEC PROFESSIONAL C2 5W-30

PRODUCT COMPARISON TABLE

Heavy Duty Diesel Engine Oils

PETROL OFİSİ	MOBİL	SHELL	BP	CASTROL
MAXIMUS 5W-30	MOBİL DELVAC 1 LE 5W-30	SHELL RIMULA R6 ME 5W-30	BP VANELLUS HT ULTRA 5W-30	CASTROL ENDURON PLUS 5W-30
MAXIMUS 10W-30	MOBİL DELVAC CT 10W-30	SHELL RIMULA R3 FX 10W-30		CASTROL TECTION F-TR 10W-30
MAXIMUS 10W-40	MOBİL DELVAC XHP EXTRA 10W-40	SHELL RIMULA R6 M 10W-40 SHELL RIMULA R5 E 15W-40	BP VANELLUS E7 10W-40	CASTROL ENDURON 10W-40
MAXIMUS HD 10W-40				
MAXIMUS LA 10W-40	MOBİL DELVAC XHP LE 10W-40	SHELL RIMULA R6 LM 10W-40	BP VANELLUS ECO 10W-40	CASTROL ENDURON LOW SAPS 10W-40
MAXIMUS DIESEL CNG 15W-40	MOBİL PEGASUS 1	SHELL RIMULA R3 NX 15W-40	BP VANELLUS AF5 BP VANELLUS CNG 15W-40	CASTROL TECTION GAS 15W-40
MAXIMUS TURBO DIESEL EXTRA 15W-40	MOBİL DELVAC XHP 15W-40	SHELL RIMULA R4 15W-40	BP VANELLUS C6 EXTRA 15W-40	CASTROL TECTION GLOBAL 15W-40
MAXIMUS TURBO DIESEL S 15W-40	MOBİL DELVAC MX 15W-40	SHELL RIMULA R3 X 15W-40 SHELL RIMULA R4 15W-40	BP VANELLUS SUPER V TURBO 15W-40	CASTROL RX SUPERMAX ASSURON MAX 15W-40
MAXIMUS SUPER DIESEL SAE 20W-50	MOBİL DELVAC SUPER 20W-50	SHELL RIMULA R2 EXTRA 20W-50	BP SUPER V SAE 20W-50	CASTROL CRB RX DIESEL 20W-50
MAXITRAK TRAKTÖR YAĞI 15W-40	MOBİL AGRI SUPER 15W-40	SHELL RIMULA R4 15W-40	BP TERRAC DIESEL 15W-40	CASTROL AGRICLASSIC 15W-40
MAXITRAK TRAKTÖR YAĞI 20W-50	MOBİL DELVAC SUPER 20W-50	SHELL RIMULA R2 EXTRA 20W-50	BP TERRAC DIESEL 20W-50	CASTROL AGRICLASSIC 20W-50
TURBOŞARJ EXTRA SAE 30 A	MOBİL DELVAC 1330	SHELL RIMULA R3+30	BP VANELLUS C3 30	CASTROL TECTION MONOGRADE SAE 30
TURBOŞARJ EXTRA SAE 40	MOBİL DELVAC 1340	SHELL RIMULA R3+40	BP VANELLUS C3 40	CASTROL TECTION MONOGRADE SAE 40
SÜPERSARJ SAE 10W	MOBİL DELVAC HYDRAULIC 10W	SHELL RIMULA R3+10	BP VANELLUS C3 10W	CASTROL TECTION MONOGRADE SAE 10W
SÜPERSARJ SAE 30	MOBİL DELVAC 1330	SHELL RIMULA R3+30	BP VANELLUS C3 30	CASTROL TECTION MONOGRADE SAE 30
SÜPERSARJ SAE 40	MOBİL DELVAC 1340	SHELL RIMULA R3+40	BP VANELLUS C3 40	CASTROL TECTION MONOGRADE SAE 40
SÜPERSARJ SAE 50	MOBİL DELVAC 1350	SHELL RIMULA R3 50	BP VANELLUS C3 50	CASTROL RX SUPER 50
SÜPERSARJ 30 (20 TBN)	MOBİL DEO 20T SAE 30	SHELL RIMULA HS 30	BP VANELLUS C3 203	
KALİBRATÖR SAE 30	MOBİL DELVAC 1230	SHELL RIMULA R1 30	BP VANELLUS M 30	
SPESİYAL 10W	MOBİL HD 10W-20	SHELL RIMULA B1 10W	BP ENERGOL HD 10W	
SPESİYAL 30	MOBİL HD 20W-30	SHELL RIMULA R1 30	BP ENERGOL HD 30	CASTROL HD 30
SPESİYAL 40	MOBİL HD 40	SHELL RIMULA R1 40	BP ENERGOL HD 40	CASTROL HD 40

PRODUCT COMPARISON TABLE

Motorcycle Oils

PETROL Ofişi	MOBIL	SHELL	BP	CASTROL
maximoto 15W-50 Racing	MOBIL 1 RACING 4T 15W-50	SHELL ADVANCE 4T ULTRA 15W-50	BP RACING 4T	CASTROL POWER 1 4T 15W-50
maximoto 10W-40	MOBIL EXTRA 4T 10W-40	SHELL ADVANCE 4T AX7 10W-40		CASTROL POWER 1 4T 10W-40
maximoto 15W-50		SHELL ADVANCE 4T AX7 15W-50		
maximoto 2T	MOBIL EXTRA 2T	SHELL ADVANCE SX2	BP TWO STROKE OIL	CASTROL 2T
100-1 OUTBOARD PLUS	MOBIL OUTBOARD PLUS	SHELL NAUTILUS OUTBOARD	BP SUPEROUTBOARD	CASTROL SUPER OUTBOARD PLUS

Marine Engine Oils

PETROL Ofişi	MOBIL	SHELL	BP	CASTROL
DENİZ DİZEL 1000 SAE 30	MOBILGARD 312	SHELL GADINIA 30	BP ENERGOL DS3-153 BP ENERGOL DL-MP 30	CASTROL MLC 30
DENİZ DİZEL 1000 SAE 40	MOBILGARD 412	SHELL GADINIA 40	BP ENERGOL DS3-154 / BP ENERGOL DL-MP 40 / BP ENERGOL HPDX	CASTROL MLC 40
DENİZ DİZEL 2000 SAE 30	MOBILGARD M330	SHELL ARGINA S 30	BP ENERGOL IC HFX 203	CASTROL TLX 203
DENİZ DİZEL 2000 SAE 40	MOBILGARD M430	SHELL ARGINA S 40	BP ENERGOL IC HFX 204	CASTROL TLX 204
DENİZ DİZEL 3000 SAE 30	MOBILGARD M340	SHELL ARGINA T 30	BP ENERGOL IC-HFX 303	
DENİZ DİZEL 3000 SAE 40	MOBILGARD M440	SHELL ARGINA T 40	BP ENERGOL IC-HFX 304	CASTROL TLX 303
DENİZ DİZEL 4000 SAE 40	MOBILGARD M50	SHELL DILOMA 40	BP ENERGOL IC-HFX 404	CASTROL TLX 404
SUPER DCL 303			BP ENERGOL IC-HF 303	
SUPER DCL 304			BP ENERGOL IC-HF 304	
SUPER DCL MEDIUM				
SUPER DCL HEAVY		SHELL ARGINA X 40		CASTROL CYLTECH 40 SX
SUPER DCL SPECIAL	MOBILGARD 570	SHELL ALEXIA 50	BP ENERGOL GLO / SOM	CASTROL CYLTECH 70 X
MARINE SYSTEM OIL SAE 30	MOBILGARD 300	SHELL MELINA S 30	BP ENERGOL OE-HT 30	CASTROL CDX 30
MARINE SYSTEM OIL SAE 40	MOBIL MARINE OIL 400	SHELL MELINA S 40	BP ENERGOL OE-HT 40	

PRODUCT COMPARISON TABLE

Transmission and Differential Oils

PETROL OFISI	MOBIL	SHELL	BP	CASTROL
MAXIGEAR KEBAN SAE 90	MOBILUBE C 90	SHELL DENTAX 90	BP GEAR OIL 90	CASTROL MAJESTIC GEAR OIL 90
MAXIGEAR KEBAN SAE 140	MOBILUBE C 140	SHELL DENTAX 140	BP GEAR OIL 140	CASTROL MAJESTIC GEAR OIL 140
MAXIGEAR KEBAN EP 80	MOBILUBE GX A 80W	SHELL SPIRAX S3 G 80W	BP ENERGEAR EP 80W	CASTROL MANUEL EP 80
MAXIGEAR KEBAN EP 90	MOBILUBE GX 90	SHELL SPIRAX S2 G 90	BP ENERGEAR EP 80W-90	CASTROL MANUEL GL-90
MAXIGEAR KEBAN EP 140	MOBILUBE GX 140	SHELL SPIRAX S2 G 140	BP ENERGEAR EP 140	CASTROL MANUEL GL-140
MAXIGEAR UNIVERSAL KEBAN EP 80W-90 LS	MOBILUBE LS 85W-90			
MAXIGEAR UNIVERSAL KEBAN EP 80W-90	MOBILUBE HD 80W-90	SHELL SPIRAX S3 AX 80W-90	BP ENERGEAR EP 80W-90	CASTROL AXLE EPX 80W-90
MAXIGEAR UNIVERSAL KEBAN EP 85W-140	MOBILUBE HD 85W-140	SHELL SPIRAX S2 A 85W-140	BP ENERGEAR HYPO 85W-140	CASTROL AXLE EPX 85W-140
MAXIGEAR S 75W-80	MOBIL SYNTHETIC GEAR OIL 75W-80	SHELL TRANSMISSION ZFLD 75W-80	BP ENERGEAR HYPO TL 75W-80	CASTROL SYNTRANS Z 75W-80
MAXIGEAR D 75W-90	MOBILTRANS MBT 75W-90	SHELL TRANSMISSION MB 75W-90	BP ENERGEAR SHX 75W-90	CASTROL SYNTRANS LONG LIFE 75W-90
MAXIGEAR EP-X 75W-90				CASTROL UNIVERSAL 75W-90
MAXIGEAR KEBAN EP 80W-90	MOBILUBE GX 80W-90	SHELL SPIRAX S2 G 80W-90	BP ENERGEAR HYPO 80W-90	CASTROL EPX 80W-90
UNIVERSAL KEBAN EP MB SAE 90		SHELL SPIRAX MB 90		CASTROL AXLE EPX 90
KEBAN EP MB SAE 80	MOBILUBE GX-A 80W	SHELL SPIRAX MA 80		
MAXITRAK TRANSMISYON 300	MOBILFLUID 422	SHELL DONAX TT	BP TERRAC TRACTRAN 8 / FLUID 8	CASTROL AGRI POWERTRANS
TMS OIL 500	MOBILFLUID 426	SHELL SPIRAX S4 TXM	BP TERRAC SUPER TRANSMISYON	CASTROL AGRI MP PLUS 10W-30
TMS OIL 971	MOBILTRANS HD 10W	SHELL DONAX TC 10W	BP AUTRAN 4 SAE 10	CASTROL TFC 410
TMS OIL 973	MOBILTRANS HD 30	SHELL SPIRAX S4 CX 30	BP AUTRAN 4 SAE 30	CASTROL TFC 430
TMS OIL 975	MOBILTRANS HD 50	SHELL SPIRAX S4 CX 50	BP AUTRAN 4 SAE 50	CASTROL TFC 450
TRANSMISYON FLUID TYPE C			BP AUTRAN GM-MP	
TORQUE FLUID 32	MOBILFLUID 125	SHELL SPIRAX S1 ATF TASA		
ATF 2	MOBIL ATF 220	SHELL SPIRAX S2 ATF AX	BP AUTRAN MBX	CASTROL ATF DEX II MULTIVEHICLE
ATF 3	MOBIL ATF 320	SHELL SPIRAX S4 ATF HDX	BP AUTRAN DX III	CASTROL TRANSMAX DEX III MULTIVEHICLE
ATF 3 ST				

PRODUCT COMPARISON TABLE

Automotive Specialties

PETROL OFİSİ	MOBİL	SHELL	BP	CASTROL
HİDROLİK FREN YAĞI DOT-3	MOBİL SUPER HEAVY DUTY BRAKE FLUID	SHELL DONAX B	BP BRAKE FLUID DOT 3	CASTROL BRAKE FLUID HEAVY DUTY (DOT-3)
HİDROLİK FREN YAĞI DOT-4	MOBİL BRAKE FLUID UNIVERSAL	SHELL DONAX YB	BP HYDRAULIC BRAKE FLUID DOT 4	CASTROL UNIV. BRAKE & CLUTCH FLUID (DOT-4)
SUPER ANTİFRİZ	MOBİL ANTIFREEZE	SHELL ANTİFRİZ	BP ANTIFREEZE	CASTROL ANTIFREEZE
ÖZEL ANTİFRİZ	MOBİL ANTIFREEZE EXTRA	SHELL GLYCOSHELL		CASTROL ANTIFREEZE NF
EXTENDED LIFE COOLANT	MOBİL EXTENDED LIFE COOLANT MOBİL ANTIFREEZE ADVANCED	SHELL GLYCOSHELL LONGLIFE	BP EXTENDED LIFE COOLANT /	CASTROL ANTIFREEZE SF
DIESEL ATTACK D-777 MOTORİN KATIĞI		SHELL DIESEL ANTİFRİZ	BP LONG LIFE COOLANT / BP PROCOOL	
AdBlue®				

Industrial Oils

PETROL OFİSİ	MOBİL	SHELL	BP	CASTROL
COMPRESSOR OIL XT 32	MOBİL RARUS 424	SHELL CORENA S3 R 32	BP ENERGOL RC-R 32	
COMPRESSOR OIL XT 46	MOBİL RARUS 425	SHELL CORENA S3 R 46	BP ENERGOL RC- R 46	
COMPRESSOR OIL XT 68	MOBİL RARUS 426	SHELL CORENA S3 R 68 / S2 P 68	BP ENERGOL RC-R 68	CASTROL AIRCOL PD 68
COMPRESSOR OIL XT 100	MOBİL RARUS 427	SHELL CORENA S2 P 100	BP ENERGOL RC-R 100	CASTROL AIRCOL PD 100
TÜRBİN YAĞI 22				
TÜRBİN YAĞI 32	MOBİL DTE OIL LIGHT	SHELL TURBO T 32	BP ENERGOL THB 32	CASTROL PERFECTO T 32
TÜRBİN YAĞI 46	MOBİL DTE OIL MEDIUM	SHELL TURBO T 46	BP ENERGOL THB 46	CASTROL PERFECTO T 46
TÜRBİN YAĞI 68	MOBİL DTE OIL HEAVY MEDIUM	SHELL TURBO T 68	BP ENERGOL THB 68	CASTROL PERFECTO T 68
TÜRBİN YAĞI 100	MOBİL DTE OIL HEAVY	SHELL TURBO T 100	BP ENERGOL THB 100	CASTROL PERFECTO T 100
TÜRBİN YAĞI 150	MOBİL DTE OIL EXTRA HEAVY	SHELL MORLINA S2 B 150	BP ENERGOL THB 150	CASTROL ALPHA ZN 150
TÜRBİN YAĞI 220	MOBİL DTE OIL BB	SHELL MORLINA S2 B 220	BP ENERGOL THB 220	CASTROL ALPHA ZN 220
HYDRO OIL HD 10	MOBİL DTE 21	SHELL TELLUS S2 MA 10 SHELL MORLINA S2 BL 10	BP ENERGOL HLP-HM 10	CASTROL HYPIN VG 10
HYDRO OIL HD 22	MOBİL DTE 22	SHELL TELLUS S2 M 22	BP ENERGOL HLP-HM 22	CASTROL HYPIN AWS 22
HYDRO OIL HD 32	MOBİL DTE 24	SHELL TELLUS S2 M 32	BP ENERGOL HLP-HM 32	CASTROL HYPIN AWS 32
HYDRO OIL HD 37	MOBİL DTE OIL H 37		BP ENERGOL HLP-HM 37	

PRODUCT COMPARISON TABLE

Industrial Oils

PETROL OFİSİ	MOBİL	SHELL	BP	CASTROL
HYDRO OIL HD 46	MOBİL DTE 25	SHELL TELLUS S2 M 46	BP ENERGOL HLP-HM 46	CASTROL HYSPIN AWS 46
HYDRO OIL HD 68	MOBİL DTE 26	SHELL TELLUS S2 M 68	BP ENERGOL HLP-HM 68	CASTROL HYSPIN AWS 68
HYDRO OIL HD 100	MOBİL DTE 27	SHELL TELLUS S2 M 100	BP ENERGOL HLP-HM 100	CASTROL HYSPIN AWS 100
HYDRO OIL HD 150	MOBİL DTE 28		BP ENERGOL HLP-HM 150	CASTROL HYSPIN AWS 150
HYDRO OIL HD 220			BP ENERGOL HLP-HM 220	
HYDRO OIL TX 32	MOBİL DTE Excel 32	SHELL TELLUS S3 M 32	BP Bartran 32	CASTROL HYSPIN ZS 32
HYDRO OIL TX 46	MOBİL DTE Excel 46	SHELL TELLUS S3 M 46	BP Bartran 46	CASTROL HYSPIN ZS 46
HYDRO OIL TX 68	MOBİL DTE Excel 68	SHELL TELLUS S3 M 68	BP Bartran 68	CASTROL HYSPIN ZS 68
HYDRO TECH HVI 15	MOBİL DTE 11 M	SHELL TELLUS S2 V 15	BP ENERGOL SHF-HV 15	CASTROL AWH M 15
HYDRO TECH HVI 22	MOBİL DTE 12 M	SHELL TELLUS S2 V 22		
HYDRO TECH HVI 32	MOBİL DTE 13 M	SHELL TELLUS S2 V 32	BP ENERGOL SHF-HV 32	CASTROL AWH M 32
HYDRO TECH HVI 46	MOBİL DTE 15 M	SHELL TELLUS S2 V 46	BP ENERGOL SHF-HV 46	CASTROL AWH M 46
HYDRO TECH HVI 68	MOBİL DTE 16 M	SHELL TELLUS S2 V 68	BP ENERGOL SHF-HV 68	CASTROL AWH M 68
HYDRO TECH HVI 100	MOBİL DTE 18 M	SHELL TELLUS S2 V 100	BP ENERGOL SHF-HV 100	CASTROL AWH M 100
GRAVİS SP 100		SHELL OMALA S4 GX 100		
GRAVİS SP 150	MOBILGEAR SHC XMP 150 MOBİL SHC 629	SHELL OMALA S4 GX 150	BP ENERSYN EP-XF 150	CASTROL ALPHASYN EP 150
GRAVİS SP 220	MOBILGEAR SHC XMP 220 MOBİL SHC 630	SHELL OMALA S4 GX 220	BP ENERSYN EP-XF 220	CASTROL ALPHASYN EP 220
GRAVİS PG 220	MOBİL GLYGOYLE 220	SHELL TIVELA S 220	BP ENERSYN SG-XP 220	CASTROL ALPHASYN P4 220
GRAVİS SP 320	MOBILGEAR SHC XMP 320 MOBİL SHC 632	SHELL OMALA S4 GX 320	BP ENERSYN EP-XF 320	CASTROL ALPHASYN EP 320
GRAVİS SP 460	MOBILGEAR SHC XMP 460 MOBİL SHC 634	SHELL OMALA S4 GX 460	BP ENERSYN EP-XF 460	CASTROL ALPHASYN EP 460
GRAVİS MP 150	MOBILGEAR XMP 150	SHELL OMALA F 150	BP ENERGOL GR-XF 150	CASTROL OPTIGEAR BM 150
GRAVİS MP 220	MOBILGEAR XMP 220	SHELL OMALA F 220	BP ENERGOL GR-XF 220	CASTROL OPTIGEAR BM 220
GRAVİS MP 320	MOBILGEAR XMP 320	SHELL OMALA F 320	BP ENERGOL GR-XF 320	CASTROL OPTIGEAR BM 320
GRAVİS MP 460	MOBILGEAR XMP 460	SHELL OMALA F 460	BP ENERGOL GR-XF 460	CASTROL OPTIGEAR BM 460
GRAVİS M 68		SHELL OMALA S2 G 68	BP ENERGOL GR-XP 68	CASTROL ALPHA SP 68
GRAVİS M 100	MOBİL GEAR 600 XP 100	SHELL OMALA S2 G 100	BP ENERGOL GR-XP 100	CASTROL ALPHA SP 100
GRAVİS M 150	MOBİL GEAR 600 XP 150	SHELL OMALA S2 G 150	BP ENERGOL GR-XP 150	CASTROL ALPHA SP 150
GRAVİS M 220	MOBİL GEAR 600 XP 220	SHELL OMALA S2 G 220	BP ENERGOL GR-XP 220	CASTROL ALPHA SP 220
GRAVİS M 320	MOBİL GEAR 600 XP 320	SHELL OMALA S2 G 320	BP ENERGOL GR-XP 320	CASTROL ALPHA SP 320

PRODUCT COMPARISON TABLE

Industrial Oils

PETROL OFİSİ	MOBİL	SHELL	BP	CASTROL
GRAVIS M 460	MOBİL GEAR 600 XP 460	SHELL OMALA S2 G 460	BP ENERGOL GR-XP 460	CASTROL ALPHA SP 460
GRAVIS M 680	MOBİL GEAR 600 XP 680	SHELL OMALA S2 G 680	BP ENERGOL GR-XP 680	CASTROL ALPHA SP 680
GRAVIS M 1000		SHELL OMALA S2 G 1000	BP ENERGOL GR-XP 1000	
GRAVIS M 1500				
KIZAK YAĞI D (68)	MOBİL VACTRA OIL NO.2	SHELL TONNA T 68	BP ENERGOL NT 68	CASTROL MAGNAGLIDE D 68
KIZAK YAĞI G (220)	MOBİL VACTRA OIL NO.4	SHELL TONNA T 220	BP ENERGOL NT 220	CASTROL MAGNA CF 220
ROCK DRILL LUBRICANT 46	MOBİL ALMO 525		BP ENERGOL RD E 46	CASTROL RD 46
ROCK DRILL LUBRICANT 100	MOBİL ALMO 527	SHELL AIR TOOL OIL S2 A 100	BP ENERGOL RD E 100	
ISİL İŞLEM YAĞI	MOBİL THERM R	SHELL VOLUTA F & C	BP QUENDILA (QR 50)	CASTROL ILOQUENCH 1
HEAT TRANSFER OIL 32	MOBİL THERM 32	SHELL THERMIA B	BP TRANSCAL N	CASTROL PERFECTO HT 5
TRAFÖ YAĞI	MOBİL ECT 44	SHELL DIALA AX		CASTROL TRANSFORMER OIL A
KALIP YAĞI CT	CERTREX 112		BP ENERGOL CM 7532-3	CASTROL BETON KALIP YAĞI
KALIP YAĞI YPM1		SHELL KALIP YAĞI C		
MORTECH OIL 150	MOBİL VACUOLINE 528	SHELL MORLINA S2 BA 150		
MORTECH OIL 320	MOBİL VACUOLINE 537	SHELL MORLINA S2 BA 320		
MORTECH OIL 460	MOBİL VACUOLINE 546	SHELL MORLINA S2 BA 460		
ALÜMİNYUM TEL ÇEKME YAĞI				
PROCUT A	MOBİL MET 424, 427, 762			CASTROL ILOCUT 170, 334
PROCUT LD	MOBİL MET 734, 763			CASTROL ILOCUT 106
PROCUT MD	MOBİL MET 735			CASTROL ILOCUT 482
PROCUT HD	MOBİL MET 737, 766			CASTROL Ilobroach 11
SYSTEM CLEANER				
CLEANCUT 100	MOBİL CUT 321			CASTROL Syntilo 81 E, Product E 558
CLEANCUT 200	MOBİL CUT 222 MOBİL CUT 232	SHELL ADRANA D 208 SHELL ADRANA D 209		CASTROL Hysol T 15, Hysol G, Hysol G 100
CLEANCUT 300	MOBİL CUT 242			CASTROL Hysol R, Hysol AL/F
CLEANCUT 400				CASTROL Alusol XTH
BOR YAĞI	MOBİL CUT 122		BP SOLTREND GP	CASTROL COOLEGGE B1(BI)
TEKSTİL YAĞI 15 (K)	MOBİL VELOCITY OIL NO.6	SHELL VEXILLA A / TELLUS C10	BP ENERGOL EM 15	CASTROL HYSPIN AWS 10
SÜPER HARMAN YAĞI	MOBİL MULREX WOS	SHELL CELCONUS A-CONUS R	BP FEDARO SPECIAL	

PRODUCT COMPARISON TABLE

Greases

PETROL OFİSİ	MOBİL	SHELL	BP	CASTROL
SUPER GRES EP 00	MOBILUX EP 004 / MOBILGEAR OGL 007	SHELL S2 V220 00	BP ENERGREASE ZS 00	CASTROL CLS 00
SUPER GRES 2	MOBILUX 2	SHELL GADUS S2 V100 2	BP ENERGREASE LS-2	CASTROL SPHEEROL AP-2
SUPER GRES 3	MOBILUX 3	SHELL GADUS S2 V100 3	BP ENERGREASE LS-3	CASTROL SPHEEROL AP-3
SUPER GRES MP 2	MOBILGREASE 77		BP ENERGREASE L2	CASTROL LM
KAUÇUKLU GRES			BP ENERGREASE C3	CASTROL ALPHA KAUÇUKLU 3
KAUÇUKLU GRES 3		SHELL KAUÇUKLU GRES	BP ENERGREASE C3	CASTROL ALPHA KAUÇUKLU 3
KAP GRES 2		SHELL GADUS S2 A320 2	BP ENERGREASE GP 2	
KAP GRES 3	MOBİL CUP GREASE NO.3	SHELL RHODINA RL3	BP ENERGREASE GP 3	CASTROL HELVEUM 3
MOLİBDENLİ GRES 2	MOBILGREASE SPECIAL	SHELL S2 V220 D2	BP ENERGREASE L21 M	
SUPER GRES EP 0	MOBILUX EP 0	SHELL GADUS S2 V220 0		
SUPER GRES EP 1	MOBILUX EP 1	SHELL GADUS S2 V220 1	BP ENERGREASE LS-EP 1	CASTROL SPHEEROL EPL 1
SUPER GRES EP 2	MOBILUX EP 2	SHELL GADUS S2 V220 2	BP ENERGREASE LS-EP 2	CASTROL ALFA LTM EP2 CASTROL SPHEEROL EPL 2
SUPER GRES EP 3	MOBILUX EP 3	SHELL GADUS S2 V100 C3	BP ENERGREASE LS-EP 3	
MEGA GRES WR1		SHELL GADUS S2 V220 AC1		
MEGA GRES WR2		SHELL GADUS S2 V220 AC2		
CARIUS EP 146	MOBILGREASE XHP 461	SHELL GADUS S3 V770 D1		CASTROL PYROPLEX BLUE
CARIUS EP 220	MOBILGREASE XHP 222	SHELL GADUS S3 V460 2	BP ENERGREASE LC 2	
CARIUS EP 320	MOBILGREASE XHP 322 SPECIAL	SHELL GADUS S3 V460 D2	BP ENERGREASE LC 2M	
HI-THERMO 850	MOBILTEMP 78	SHELL GADUS S3 U460 L2	BP ENERGREASE HT-G2	CASTROL SPHEEROL B2

Special attention was paid to provide information on other companies' products which would best approximate that of Petrol Ofisi Lubricants. Yet, it shouldn't be forgotten that these products are not perfect matches, for their contents still differ.

For the right lubricant choice, please consult to the Petrol Ofisi Lubricants Technical Services.





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