

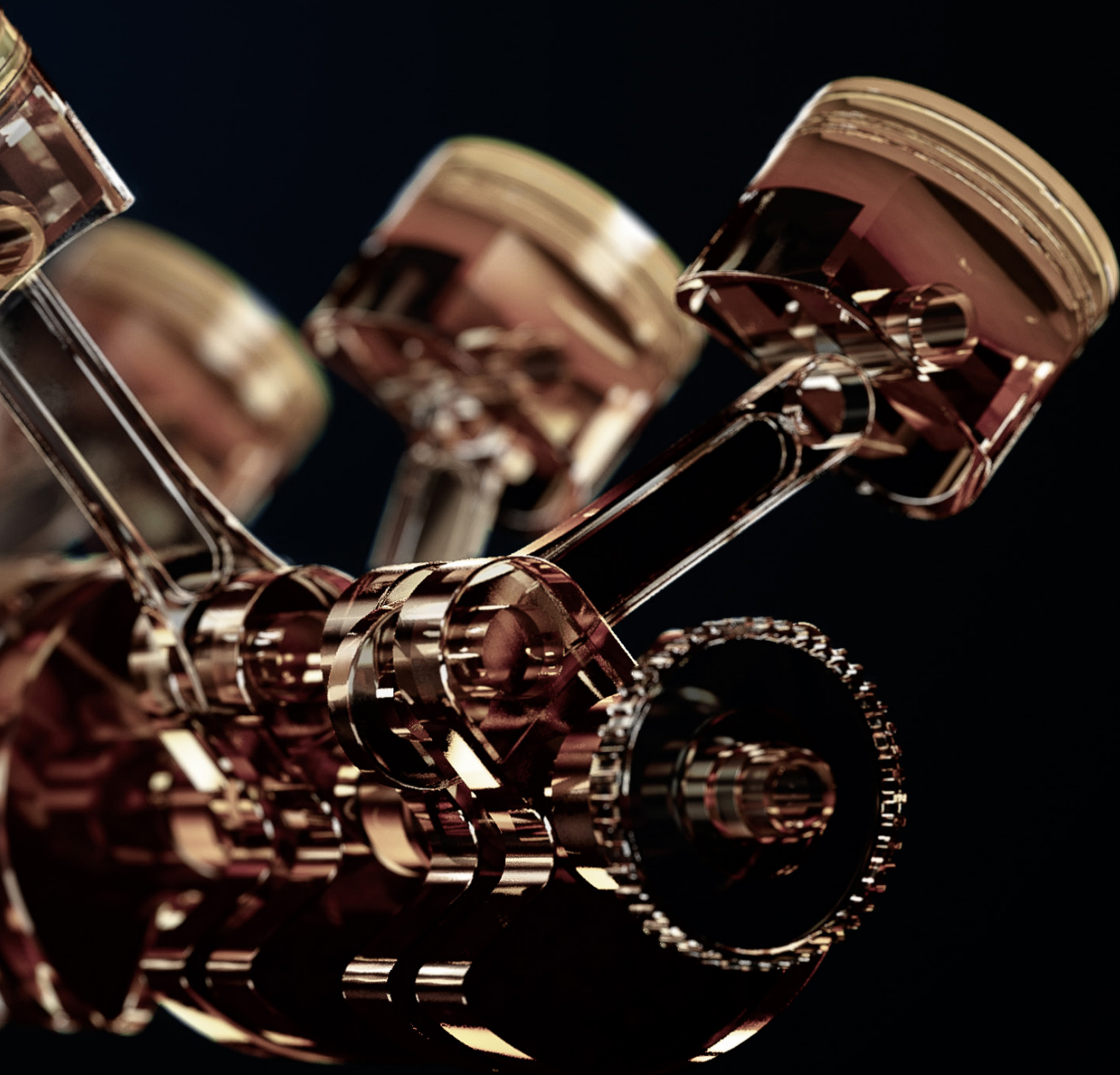


PRODUCT CATALOGUE



A close-up, shallow depth-of-field photograph of a mechanical assembly. The image shows various components, including what appears to be a brass fitting or valve on the right, and a dark, possibly steel, body with several brass-colored ports or screws. The background is dark and out of focus. A thin red horizontal line is positioned above the text.

premium **quality**
and the **best**
performance



WOXOL®

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premium
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best *perfor-*
mance
for *passenger*
vehicles.



WOXOL 0W16 SN/CF

FULLY SYNTHETIC MOTOR OIL

Woxol 0W16 advanced fully synthetic engine oil provides superior engine protection, advanced fuel economy advantages, is the new generation most advanced engine oil that provides long-lasting and superior engine protection. It reliably prevents deposit formation, reduces friction losses and protects against wear. It has been developed to help prolong the life and maintain efficiency of exhaust emission systems in gasoline and hybrid cars.

Certificates and Standards:

API SP, API SN PLUS/ SN, API SM/SL, ILSAC GF-6B, Honda, Suzuki, Toyota, Lexus



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	7,2
VISCOSITY INDEX	ASTM D2270	MIN. 165
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -48

WOXOL 0W16 SP+

FULLY SYNTHETIC MOTOR OIL

This is a full synthetic lubricant offering the highest levels of fuel economy (FE) in latest modern passenger cars such as energy saving and hybrid vehicles operating under most severe conditions where manufacturers recommend an API SN Plus/RC 0W-16 lubricant. Due to its carefully selected base oils and premium additives, it is designed to deliver outstanding engine protection against wear and deposits. Its exceptionally low viscosity allows it to be used the year round, also during very low temperatures in the wintertime. This product has been specifically developed to meet the challenging requirements for hybrid cars, where fuel economy (FE) and CO₂ reduction is important. It provides the performance needed for the most recent requirements for gasoline-fueled US and Asian (i.e. Honda, Lexus, Mitsubishi, Nissan, Toyota) passenger cars.

Certificates and Standards:

API SP, API SN PLUS, API SN PLUS/RC, API SM/SL, ILSAC GF-6B, Honda, Suzuki, Toyota, Lexus



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	ASTM D445	MIN. 7,2
VISCOSITY INDEX	ASTM D2270	MIN. 155
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -48





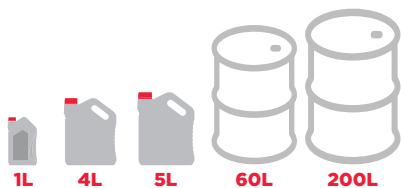
WOXOL 0W20 SN/CF

FULLY SYNTHETIC MOTOR OIL

Woxol 0W20 is an advanced fully synthetic engine oil designed to help provide exceptional engine protection and better fuel economy. 0W-20 meets or exceeds the requirements of various vehicle manufacturers and industry standards and outperforms conventional oils.

Certificates and Standards:

API SN/ SM/SL / SJ, API SN PLUS, API SP, API CF, ACEA C5, BMW: Approval LONGLIFE-17FE+, CHRYSLER: MS 12145, ILSAC GF-3, ILSAC GF-4, ILSAC GF-6A, Ford WSS-M2C947-A, FORD WSS-M2C962-A1, Ford WSS-M2C947-B1, Fiat Chrysler Automotive MS-6395, FIAT: 9.55535-GSX, JAGUAR-LAND ROVER: STJLR.03.5006, JAGUAR-LAND ROVER: STJLR.51.5122, MB: 229.71, OPEL: OV0401547, VOLVO:VCC RBS0-2AE, VW 508 00 509 00, PORSCHE C20



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	8,8
VISCOSITY INDEX	ASTM D2270	MIN. 165
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	-	MAX. -46

WOXOL 0W20 SP+

FULLY SYNTHETIC MOTOR OIL

Thanks to its low viscosity and outstanding fluidity this oil significantly reduces wear and ensures fuel savings and lower CO2 emissions. Optimized additive package reduces soot and deposits and keeps the engine clean. It is suitable for hybrid cars when the OEM specifications are met. This product has been specifically developed to meet the challenging requirements of the latest GM Dexos1 Gen 3 specification and ILSAC GF-6 A standard where fuel economy and CO2 reduction are important. It provides the performance needed for the most recent requirements for gasoline-fueled US and Asian passenger cars.

Certificates and Standards:

API SP, API SN/RC, API SP/RC, API SN PLUS, ILSAC GF-6A, GF-5, CHRYSLER MS 6395, FIAT 9.55535-CR1, 9.55535-GSX, FORD WSS-M2C945-A, WSS-M2C946-A, M2C947-A, M2C962-A, GM DEXOS 1 GEN3.

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	MIN. 8,27
VISCOSITY INDEX	ASTM D2270	MIN. 165
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -48





WOXOL 5W20 SN/CF

FULLY SYNTHETIC MOTOR OIL

Woxol 5W20 Fully synthetic gasoline engine oil developed with high quality synthetic base oils and high viscosity index base oils. It is a low-viscosity, high-stability engine oil that has emerged as a result of unique additive technology and the perfect blend of the latest synthetic oils. It significantly prevents friction losses and deposit formation in the engine and provides resistance to wear. In addition to its excellent lubrication and anti-corrosion properties in a wide temperature range, it provides superior and long-lasting engine protection thanks to its formula developed with anti-wear technology. It is recommended to be used in all working conditions, especially in stop-start, heavy city traffic use.

Certificates and Standards:

API SN, SM and SL ACEA A1/B1, Chrysler MS 6395, Ford WSS-M2C153-H, Ford WSS-M2C930-A, Ford WSS-M2C945-A



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	ASTM D 445	8,8
VISCOSITY INDEX	ASTM D 2270	MIN. 160
FLASH POINT, °C	ASTM D 92	MIN. 225
POUR POINT, °C	ASTM D 97	MAX. -38

WOXOL 5W30 SN/CF

FULLY SYNTHETIC MOTOR OIL

Woxol 5W/30 is a new generation of gasoline and multi-jet diesel engines equipped with new and modern technologies. It is a synthetic engine oil that meets the performance requirements. Excellent in new generation and high performance petrol or diesel engines in all working and driving conditions. Provides wear protection. Its low volatility helps to reduce hydrocarbon pollution by reducing oil consumption. Active cleaning feature keeps engine parts clean and maintenance by controlling deposit and sludge formation.

Certificates and Standards:

API SN/CF, ILSAC GF-5, Dexos 1, ACEA C2/C3, VW 504.00/507.00, MB 229.52/229.51/229.31



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	ASTM D445	9,3 - 12,5
VISCOSITY INDEX	ASTM D2270	MIN. 160
FLASH POINT, °C	ASTM D92	MIN. 200
POUR POINT, °C	ASTM D97	MAX. -35





WOXOL 5W30 SN/CF

FULLY SYNTHETIC MOTOR OIL C3 DPF

Is full synthetic engine oil for new generation engines which is developed with high performance additives and synthetic base oils. It is made with a proprietary blend of leading edge components formulated to be fully compatible with the latest Diesel Particulate Filters (DPF's) and Gasoline Catalytic Converters (CAT's). Helps to reduce particulate build up in Diesel Particulate Filters and reduce deposits and sludge buildup to enable long and clean engine life. It has a low sulfur and phosphorus content. Provides high resistance to tear due to high viscosity index. Keeps the engine's most sensitive parts clean thanks to its advanced detergent and dispersive additives. Helps to reduce particulate build up in Diesel Particulate Filters. Helps to reduce poisoning of Gasoline Catalytic Converters. Satisfies the most demanding manufacturer service plans by permitting extra-long oil change intervals. Provides superior performance under extreme cold start up conditions.

Certificates and Standards:

API SN / API SM / API SL, API CF, ACEA C3-C4, BMW Longlife-04, MB-Approval 229.51, Volkswagen VW50400, Volkswagen VW50700, Porsche C30



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	9,3 - 12,5
VISCOSITY INDEX	ASTM D2270	MIN. 150
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -36

WOXOL 5W30 SN/CF

FULLY SYNTHETIC MOTOR OIL C2

Woxol 5W-30 C2 final generation fully synthetic engine oil. oil, especially Equipped with Diesel Particulate Filter and low all modern passenger cars requiring SAPS oils yearround in automobile and light truck engines it is designed for use. Woxol 5W-30 C2 Modern Peugeot-Citroen cars in petrol and diesel engines, PSA B71 2290 according to oil specification, also ACEA C2 Japanese and Korean by performance level all-season duty in production cars recommended to do. Product, warranty and post-warranty use vehicles at service stations during it is recommended for use in maintenance. Specially for Peugeot and Citroen cars was designed. Easy cold start at low temperatures. Thanks to specially selected synthetic base oils high fuel efficiency, Against wear in heavy urban working conditions maximum engine protection, Modern exhaust sensitive to sulfated ash content compatible with emission systems. Low sulfur and phosphorus content means that the catalyst has a long ensures its longevity.

Certificates and Standards:

API SN/CF, ACEA C2, A5/B5, A1/B1, Fiat 9.55535-S1, PSA B71 2290, RN 0700, Iveco 18-1811 SC1



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	9,3 - 12,3
VISCOSITY INDEX	ASTM D2270	MIN. 150
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -36





WOXOL 5W30 CK-4

FULLY SYNTHETIC MOTOR OIL

This is a full synthetic heavy duty engine oil of the latest generation. This product meets a variety of specifications and is specifically developed in order to have total engine protection at extreme long interval ranges. This product has a high shear resistance and operates very well in a very broad operating temperature range. This product can be used in off-road and on-road heavy duty applications. It can be used in vehicles with and without turbocharges or after treatment devices. Very high levels of fuel economy are met with this product. This product is compatible with emission control technology EURO IV, EURO V, and VI.

Certificates and Standards:

ACEA E4, ACEA E6, ACEA E7, ACEA E9, API CK-4, CATERPILLAR ECF-3, CUMMINS CES 20081, CUMMINS CES 20086, DETROIT DIESEL 93K218, DETROIT DIESEL 93K222, DEUTZ DQC IV-10 LA, JASO DH-1-17, JASO DH-2-17



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	ASTM D 445	12,2
VISCOSITY INDEX	ASTM D 2270	MIN. 165
FLASH POINT, °C	ASTM D 92	MIN. 235
POUR POINT, °C	ASTM D 97	MAX. -39

WOXOL 5W30 CI-4/SL

FULLY SYNTHETIC MOTOR OIL

Woxol 5W30 CI-4/SL It is a high performance fully synthetic heavy duty diesel engine oil that provides improved fuel economy and savings in maintenance costs thanks to its low viscosity feature. It can be used in diesel engines of heavy-duty construction machines, trucks, trucks and buses, including turbo and supercharged light commercial vehicles (minibuses, pickup trucks, etc.) and low-emission diesel engines that meet Euro V and Euro IV emission standards. It is suitable for use in all kinds of vehicles using fuels containing low or high amounts of sulfur and in all known high-speed diesel engines. It can be used safely in all seasons by providing constant lubrication in all kinds of climate and road conditions. It protects the engine against rust, oxidation, wear and foam formation. It increases the performance and with the help of detergent-dispersant additives it contains, it prevents the accumulation of residue by dispersing the dirt formed as a result of combustion in the environment. It provides fuel economy thanks to its low viscosity feature and improved viscosity stability. Saves on maintenance costs by meeting extended service interval requirements. Thanks to its improved viscosity stability, it provides excellent protection against wear even at the lowest ambient temperatures.

Certificates and Standards:

API CI-4, ACEA E7, E4 CES 20078-77, DEUTZ DQC III-10, MTU TYPE 3, MACK EO-N, EO-M Plus, MAN M 3277 MB 228.5, Renault RXD, RLD-2, Volvo VDS-3



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	ASTM D445	9,3 - 12,5
VISCOSITY INDEX	ASTM D2270	MIN. 150
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -36





WOXOL 5W40 SN/CF

FULLY SYNTHETIC MOTOR OIL

It has been especially developed to meet the requirements of modern high power automobiles. The blend of synthetic oils with the latest additive technology has been developed to meet the full best performance expectations in low viscosity and high profitability engine oil. It reliably prevents deposit formation, reduces friction losses and protects against wear. Thus, it creates more powerful performance for modern, high performance and old engines. It is the new generation, most advanced engine oil that is produced especially for use in stop-and-go city traffic and provides long-lasting and superior engine protection.

Certificates and Standards:

ACEA A3/B4;A3/B3, API SN/CF, MB 229.5/229.3/226.5, PORSCHE A40, PSA B71 2296, RENAULT RN 0700; RN 0710, VW 502.00 ;VW 505.00



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 155
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -35

WOXOL 5W40 CK-4

FULLY SYNTHETIC MOTOR OIL

SAE 5W30 API CK-4/SN is a full synthetic heavy duty diesel engine oil of the latest generation. This product meets a variety of specifications and is specifically developed in order to have total engine protection at extreme long interval ranges. It is specially formulated for compatibility with exhaust after treatment systems using diesel particulate filters (DPF), diesel oxidation catalysts (DOC) and/or selective catalytic reduction (SCR). Is particularly suitable for use in naturally aspirated and turbocharged diesel engines in the trucks of haulage transport, in bus transport, in construction and ship transport. It is also suitable for light commercial vehicles with diesel engines.

Certificates and Standards:

API CK-4/SN,ACEA E9, CATERPILLAR ECF-3, CUMMINS CES 20086, DETROIT DIESEL 93K222, JASO DH-2-17, MAN M3677, MB 228.51, RENAULT RLD-4, SCANIA LDF-4, Volvo VDS-4.5, VDS-4, VDS-3



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	11,75
VISCOSITY INDEX	ASTM D2270	MIN. 175
FLASH POINT, °C	ASTM D92	MIN. 222
POUR POINT, °C	ASTM D97	MAX. -38



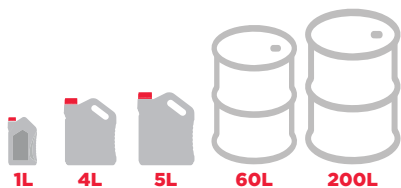


WOXOL 10W30 SL/CF MOTOR OIL

10W/30 is synthetic engine oil that produces to respond the lubrication need of modern high speed and high efficiency turbocharged engines by synthetic and high quality base oils and high-tech additives. It is used safely in all vehicles that work by gasoline, diesel and LPG, Provides fuel economy by excellent viscosity control property. Effective detergent and dispersant additives prevent deposit formation and keeps engine clean.

Certificates and Standards:

API SL/CF, VW 501.01 / 505.00, ACEA A3/B3-04, MAN M 3277, MB APPROVAL 299,1



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	9,3 - 12,5
VISCOSITY INDEX	ASTM D2270	MIN. 115
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -36

WOXOL 10W40 SL/CF MOTOR OIL

Synthetic and high quality base oils and advanced technology additives semi-synthetic produced to meet the lubrication needs of LPG engines, especially as a result of blending it's engine oil. All passenger cars, vans and vans with gasoline, diesel and LPG, small commercial vehicles it is recommended for use in engines.

Certificates and Standards:

API SL/CF, VW 501.01 / 505.00, ACEA A3/B3-04, ACEA A3/B4-04, MB Approval 229.1, AVTOVAZ LADA cars



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 115
FLASH POINT, °C	ASTM D92	MIN. 220
POUR POINT, °C	ASTM D97	MAX. -32





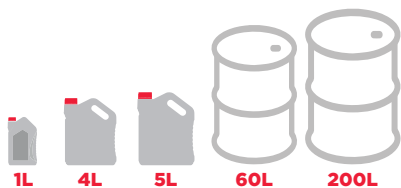
WOXOL 15W40 SL/CF

MOTOR OIL

Woxol 15W40 is produced by blending quality base oils and high performance additives. It is gasoline engine oil. Especially with gasoline and LPG vehicles that are used extensively in urban traffic. It is an engine oil that can be used in all seasons with effective performance in passenger and commercial diesel engines. The detergent, dispersant and antifoam additives it contains keep the engine clean for a long time, it prevents the formation of sediment and deposits. It protects the oil film thickness by reducing the effect of heat change on oil viscosity. It facilitates the first start-up in cold weather and provides effective lubrication in hot weather. It protects the engine against all kinds of corrosion and rust and prolongs its life. With effective detergent and dispersant additives, it prevents the formation of deposits and keeps the engine clean. It provides fuel economy with its excellent viscosity control feature.

Certificates and Standards:

API SL/CF, VW 501.01 / 505.00, ACEA A3/B3-04, MB Approval 229.1



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 115
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -30

WOXOL 15W40 CK-4

MOTOR OIL

It is a high-performance heavy-duty vehicle engine oil produced with specially selected high-quality base oils and additive technology, and is suitable for use in fleets with large vehicle parks. It is suitable for use in vehicles complying with Euro VI, Euro V, Euro IV, and older emission systems. Its primary usage area is heavy commercial diesel and gasoline engines. It is especially suitable for use in vehicles with low-emission, diesel particulate filter (DPF), Euro VI, Euro V and Euro IV engines where Low-SAPS (Low Sulphated Ash, Phosphorus and Sulfur) oils are required. In addition, it can be used safely in older vehicles where the specified performance level is required, and in work machines and equipment that operate in low speed/heavy load conditions and use low sulfur content fuel.

Certificates and Standards:

API CK-4, CJ-4, CI-4 PLUS/SN ACEA E9 CAT ECF-3 CUMMINS CES 20086 DETROIT DDC 93K222 DEUTZ DQC III-18 LA FORD WSS-M2C171-F1 MTU TYPE 2.1 MACK EOS 4.5 MAN M 3775 MB 228.31 Renault RLD-3 Volvo VDS-4.5



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	15,95
VISCOSITY INDEX	ASTM D2270	MIN. 131
FLASH POINT, °C	ASTM D92	MIN. 235
POUR POINT, °C	ASTM D97	MAX. -39





WOXOL 20W50 SN/CF

MOTOR OIL

Woxol 20W50 very high quality mineral engine oil, which is suitable for most of 4-stroke gasoline and diesel cars and light trucks. By its selected composition, a very good resistance to oxidation and optimal detergent and dispersion properties are obtained. A strong oil film guarantees a high lubricating power. Woxol 20W50 can be applied in modern 4-stroke gasoline (multi valves, turbo, etc.) and 4-stroke diesel engines, with or without turbo. Provides complete engine protection and cleanliness

Certificates and Standards:

ACEA A3/B4, API SN/CF, VW 501 01 / 505 00, MB Approval 229.1, PSA B712295



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	A ASTM D445	18,3
VISCOSITY INDEX	ASTM D2270	MIN. 122
FLASH POINT, °C	ASTM D92	MIN. 222
POUR POINT, °C	ASTM D97	MAX. -27

WOXOL 20W50 CI-4

MOTOR OIL

For use in new generation diesel engines operating under heavy conditions It is an improved super high performance (SHPD) diesel engine oil that can be used in all seasons. Quality It is formulated by adding high quality performance additives to base oils. truck, truck, busIt is recommended for use in vehicles with diesel turbocharged engines such as heavy duty vehicles and work machines. Provides easier start-up thanks to its superior fluidity at low temperatures. Provides fuel economy and long service life with its excellent viscosity control feature. Provides protection against acidification due to its high TBN value. The new generation additives used ensure that the engine parts remain cleaner. It protects the engine by extending its life.

Certificates and Standards:

API CI-4/CH-4/CG-4/CF-4/CF, API SL/SJ, ACEA E7-12 (2012), ACEA A3/B4-12 (2012), MB-Approval 228.3, MB-Approval 229.1, MAN M 3275, Volvo VDS-3, Mack EO-N, Mack EO-M PLUS, CAT ECF-2, CUMMINS CES 20076 / 20077/20078, CAT ECF-1-a, Renault Truck RLD-2, Deutz DQC-III-10, Global DHD-1, Detroit Diesel DDC 93K215, MTU Type 2

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	A ASTM D445	16,3 – 21,9
VISCOSITY INDEX	ASTM D2270	MIN. 130
FLASH POINT, °C	ASTM D92	MIN. 235
POUR POINT, °C	ASTM D97	MAX. -24





WOXOL 20W50 SL/CF

MOTOR OIL

Woxol 20W-50 is produced by blending quality base oils and high performance additives. It is gasoline engine oil. Especially with gasoline and LPG vehicles that are used extensively in urban traffic. It is an engine oil that can be used in all seasons with effective performance in passenger and commercial diesel engines. The detergent, dispersant and antifoam additives it contains keep the engine clean for a long time, it prevents the formation of sediment and deposits. It protects the oil film thickness by reducing the effect of heat change on oil viscosity. It facilitates the first start-up in cold weather and provides effective lubrication in hot weather. It protects the engine against all kinds of corrosion and rust and prolongs its life. With effective detergent and dispersant additives, it prevents the formation of deposits and keeps the engine clean. It provides fuel economy with its excellent viscosity control feature.

Certificates and Standards:

API SL/CF, VW 501.01 / 505.00, ACEA A3/B3-04, MB Approval 229.1



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	A ASTM D445	16,3 - 21,9
VISCOSITY INDEX	ASTM D2270	MIN. 110
FLASH POINT, °C	ASTM D92	MIN. 230
POUR POINT, °C	ASTM D97	MAX. -24

WOXOL 5W40 CI-4/SL

FULLY SYNTHETIC MOTOR OIL

Woxol 5W40 CI-4/SL It is a high performance fully synthetic heavy duty diesel engine oil that provides improved fuel economy and savings in maintenance costs thanks to its low viscosity feature. It can be used in diesel engines of heavy-duty construction machines, trucks, trucks and buses, including turbo and supercharged light commercial vehicles (minibuses, pickup trucks, etc.) and low-emission diesel engines that meet Euro V and Euro IV emission standards. It is suitable for use in all kinds of vehicles using fuels containing low or high amounts of sulfur and in all known high-speed diesel engines. It can be used safely in all seasons by providing constant lubrication in all kinds of climate and road conditions. It protects the engine against rust, oxidation, wear and foam formation. It increases the performance and with the help of detergent-dispersant additives it contains, it prevents the accumulation of residue by dispersing the dirt formed as a result of combustion in the environment. It provides fuel economy thanks to its low viscosity feature and improved viscosity stability. Saves on maintenance costs by meeting extended service interval requirements. Thanks to its improved viscosity stability, it provides excellent protection against wear even at the lowest ambient temperatures.

Certificates and Standards:

API CI-4 ACEA E7, E4 CES 20078-77 DEUTZ DQC III-10 MTU TYPE 3 MACK EO-N, EO-M Plus MAN M 3277 MB 228.5 Renault RXD, RLD-2 Volvo VDS-3



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 150
FLASH POINT, °C	ASTM D92	MIN. 220
POUR POINT, °C	ASTM D97	MAX. -36



Diesel and Heavy Duty Engine Oils

For Trucks

premium
quality
and the
best *perfor-*
mance
for ***trucks &***
heavy duty.



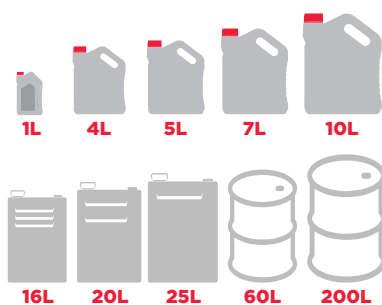
WOXOL 10W40 CK-4

FULLY SYNTHETIC MOTOR OIL

It is a high performance heavy vehicle engine oil produced with specially selected high quality base oils and additive technology, suitable for use in fleets with wide vehicle parks with its specifications. It is suitable for use in vehicles that comply with Euro VI, Euro V, Euro IV, and older emission systems. The primary usage area is heavy commercial diesel and gasoline engines. It is especially suitable for vehicles with low-emission, diesel particulate filter (DPF), Euro VI, Euro V and Euro IV engines where Low-SAPS (Low Sulphated Ash, Phosphorus and Sulfur) oils are required. In addition, it can be used safely in older vehicles where the specified performance level is required, and in construction machines and equipment operating under low speed/heavy load conditions and using fuel with low sulfur content. It provides constant lubrication in all kinds of climate and road conditions and can be used safely in all seasons. Since it is produced with Low Friction Technology and thanks to its excellent flow and pumpability, it provides maximum protection against wear at the time of first start-up. It ensures long life of exhaust emission systems (DPF, EGR, SCR) thanks to its low sulfated ash, phosphorus and sulfur content (LowSAPS). With the longest oil change interval feature, it allows vehicles to travel longer.

Certificates and Standards:

API CK-4, CJ-4, SN ACEA E9 CAT ECF-3 CES 20086 DETROIT DDC 93K222 DEUTZ DQC III-18 LA FORD WSS-M2C171-F1 MTU TYPE 2.1 MACK EOS 4.5 MAN M 3775 MB 228.31 Renault RLD-3 Volvo VDS-4.5



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 150
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -36

WOXOL 10W40 CI-4/SL

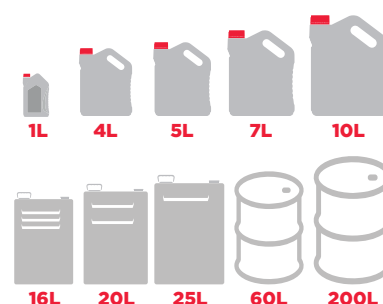
FULLY SYNTHETIC MOTOR OIL

It is a heavy duty type diesel engine oil developed with fully synthetic long-life oils. It is suitable for use in diesel engines requiring emission requirements from Euro I to Euro VI. It is suitable for use in engines with low sulfur fuel, with or without a particle filter.

Certificates and Standards:

API CI-4, API SL, ACEA E4/E7, MB 228.5, MAN 3377, MAN 3277, Volvo VDS-3, Renault RXD, Renault RLD-2, Deutz IV-10, MTU 3.0

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 150
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -36





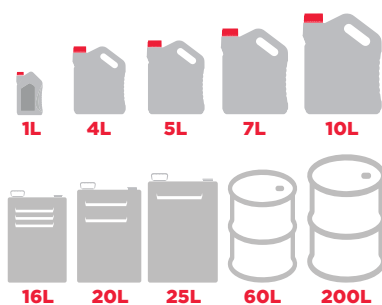
WOXOL 15W40 CJ-4

FULLY SYNTHETIC MOTOR OIL

Woxol 15W40 CJ-4 It is an advanced diesel engine oil produced with special additives and high quality base oils, maximizing engine performance in American, European and Japanese heavy-duty diesel engines, including heavy applications with variable and high loads. It is an advanced 15W-40 diesel engine oil.

Certificates and Standards:

ACEA E9, API SL/CJ-4, JASO DH-2, CAT ECF-3, CES - 20.081, DDC Powerguard 93K218, Mack EO-O Premium Plus, MB-Approval 228.31, RVI RLD-3, Volvo VDS 4



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 125
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -30

WOXOL 15W40 CI-4/SL

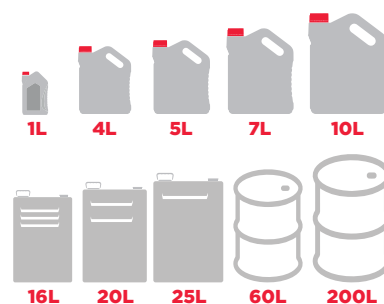
FULLY SYNTHETIC MOTOR OIL

Woxol 15W40 CI-4/SL It is an all-season engine oil that is enhanced with superior quality base oils and extra additives, and developed to be used in new generation diesel engines operating under severe conditions. It is recommended to be used in vehicles with diesel turbocharged engines such as trucks, buses and construction machines.

Certificates and Standards:

API CI-4/SL, ACEA E7, DEUTZ DQC III-10, MACK EO-N, MB-APPROVAL 228.3, RENAULT VI RLD-2, VOLVO VDS-3, PERFORMANSLAR, CAT ECF-2, CUMMINS CES 20078/77/76, GLOBAL DHD-1, MAN M 3275-1, MTU DDC TYPE 2

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 145
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -32





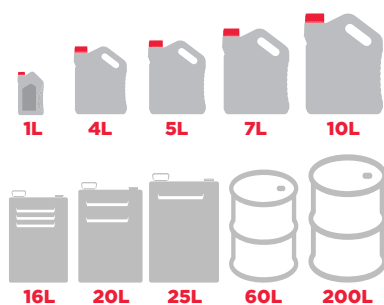
WOXOL 15W40 CH-4

DIESEL MOTOR OIL

Woxol 15W-40, advanced technology performance with well refined mineral base oil it is an all-season engine oil prepared with additive packages. In passenger and commercial vehicles, Europe and It is recommended for use in American designed, low emission, turbocharged engines. on highways working for both high speed/heavy load and light and heavy truck transportation working under heavy load in field conditions such as construction and agriculture. Also recommended for vehicles. It provides easier first startup thanks to its superior fluidity at low temperatures. It provides fuel economy and long service life with its excellent viscosity control feature. Extends oil change intervals even when using high-sulphur fuel. With the new generation additives used, it ensures that the engine parts are kept cleaner. Protects the engine by prolonging its life.

Certificates and Standards:

API CH-4/CG-4/CF-4, API SL/SJ, ACEA E3/E5, MB 228.3, CUMMINS: CES 20077, 76, 75, 72, 71, MAN 3275, Volvo VDS2, RENAULT TURCKS: RD-2, MTU Level 2, Deutz DQC-I-05, MACK: EOM, EOM+, ALLISON: C-4



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 145
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -32

WOXOL 15W40 CF-4

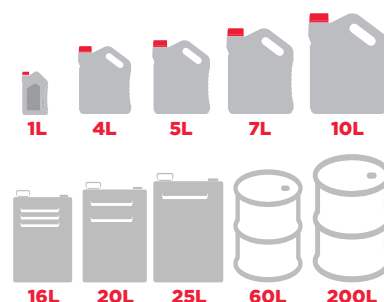
DIESEL MOTOR OIL

It is a diesel engine oil reinforced with high quality base oils and high additives. It is an engine oil that can be used safely in all seasons for automobiles and light commercial vehicles. It is especially suitable for passenger cars that work under difficult conditions and frequently stop and go. It can also be used safely in the lubrication of minibuses, vans, other four-stroke engines and other construction equipment. It can also be used safely in vehicles operating with fuels such as gasoline and LPG.

Certificates and Standards:

API CF-4/CF, API SJ/SL, ACEA E3/E7, MB-Onay 228.3, VOLVO VDS-3 Cummins CES 20072, Mack EO-N, Mack EO-M, MAN M 3275-1, RENAULT TRUCKS RD-2, RENAULT TRUCKS RLD, Caterpillar ECF-2, Cummins CES 20077, Ford WSS-M2C171-D

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 145
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -32





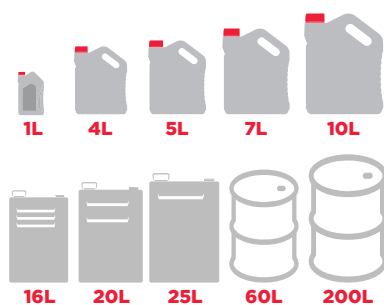
WOXOL 20W50 CF-4

DIESEL MOTOR OIL

Woxol 20W50, high quality mineral based base oils and advanced performance additives All-season reliability for automobiles and light commercial vehicles produced with diesel fuels. It is an engine oil that can be used with a passenger who works especially under difficult conditions and has frequent stop-and-go. Suitable for vehicles. Also in minibuses, pickup trucks, other four-stroke engines and other business. It can be used safely in the lubrication of machines. Also in vehicles that run on fuels such as gasoline and LPG can be used safely. It provides easier first start-up thanks to its superior fluidity at low temperatures. It provides fuel economy and long service life with its excellent viscosity control feature. It has high resistance to tearing due to its high viscosity index. Extends oil change intervals even when using high-sulphur fuel.

Certificates and Standards:

API CF-4/SJ, MB 228.1, 229.1, ACEA A3/B3-04, ACEA E3-96 Issue 4, Mack EO-L Plus, MAN 271, MTU Level 1, Deutz DQC-I-05, Volvo VDS



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	A ASTM D445	16,3 - 21,9
VISCOSITY INDEX	ASTM D2270	MIN. 115
FLASH POINT, °C	ASTM D92	MIN. 230
POUR POINT, °C	ASTM D97	MAX. -24

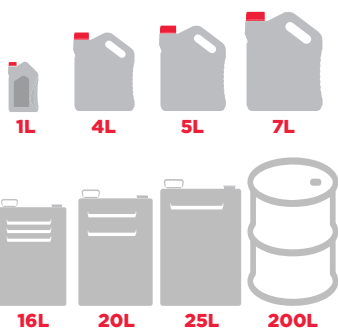


WOXOL **HD 40 CF/SF** HEAVY DUTY

HD 40 CF/ SF high performance mono grade engine oils which is formulated with highquality refined base oils and advanced additives. are recommended for lubrication of engines and transmission under wide range of engine loads and conditions for all types of vehicles both off-highway & on-highway applications. Shows superior protection against oxidation, corrosion and foaming. Contains special detergents so that it is suitable for high temperature applications. Rotects the engine against all kinds of rust and corrosion and extends the life.

Certificates and Standarts:

API CF/SF



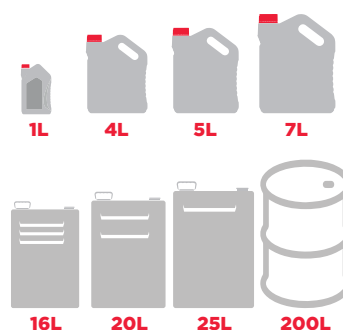
TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 95
FLASH POINT, °C	ASTM D92	MIN. 230
POUR POINT, °C	ASTM D97	MAX. -15

WOXOL **HD 50 CF/SF** HEAVY DUTY

HD 40 CF/ SF high performance mono grade engine oils which is formulated with highquality refined base oils and advanced additives. are recommended for lubrication of engines and transmission under wide range of engine loads and conditions for all types of vehicles both off-highway & on-highway applications. Shows superior protection against oxidation, corrosion and foaming. Contains special detergents so that it is suitable for high temperature applications. Rotects the engine against all kinds of rust and corrosion and extends the life.

Certificates and Standarts:

API CD/SF



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	16,3 -21,9
VISCOSITY INDEX	ASTM D2270	MIN. 95
FLASH POINT, °C	ASTM D92	MIN. 235
POUR POINT, °C	ASTM D97	MAX. -15

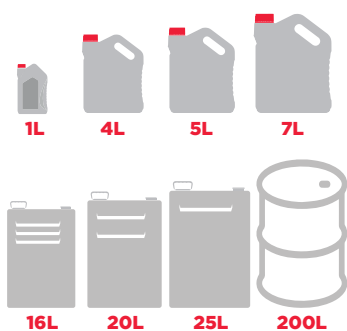


WOXOL **HD 60 CF/SF** HEAVY DUTY

Woxol HD 60 CF/ SF high performance mono grade engine oils which is formulated with highquality refined base oils and advanced additives. are recommended for lubrication of engines and transmission under wide range of engine loads and conditions for all types of vehicles both off-highway & on-highway applications. Shows superior protection against oxidation, corrosion and foaming. Contains special detergents so that it is suitable for high temperature applications. Rotects the engine against all kinds of rust and corrosion and extends the life.

Certificates and Standarts:

API CF/SF



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	21,9-27,5
VISCOSITY INDEX	ASTM D2270	MIN. 95
FLASH POINT, °C	ASTM D92	MIN. 240
POUR POINT, °C	ASTM D97	MAX. -12

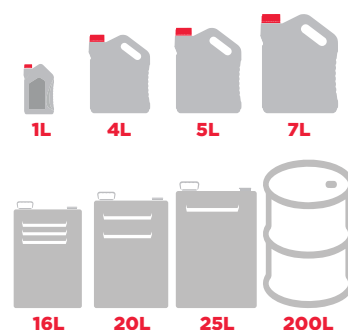
WOXOL **HD 70 CF/SF** HEAVY DUTY

Woxol HD 70 CF/ SF high performance mono grade engine oils which is formulated with highquality refined base oils and advanced additives. are recommended for lubrication of engines and transmission under wide range of engine loads and conditions for all types of vehicles both off-highway & on-highway applications. Shows superior protection against oxidation, corrosion and foaming. Contains special detergents so that it is suitable for high temperature applications. Rotects the engine against all kinds of rust and corrosion and extends the life

Certificates and Standarts:

API CD/SF

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	29,5
VISCOSITY INDEX	ASTM D2270	MIN. 95
FLASH POINT, °C	ASTM D92	MIN. 240
POUR POINT, °C	ASTM D97	MAX. -12



Engine Oils

For Motorcycle

premium
quality
and the
best *perfor-*
mance
for *motor-*
cycle.



WOXOL 2T MOTOR OIL

Specially produced to provide high performance in two-stroke engines and other small engines, it is a mineral based motorcycle oil with special additives. Used in air or water-cooled engines, motorcycles, lawnmowers and agricultural tools. The fuel / oil mixture ratio should be determined according to the recommendation of the engine manufacturer.

Certificates and Standards:

API TC, JASO FC, T.I.S.I. 1040, ISO EGC & EGD



1L

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	7,5 - 11,3
VISCOSITY INDEX	ASTM D2270	MIN. 110
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -25

WOXOL 10W40 SJ 4T MOTORCYCLE OIL

It is specially designed for modern, high performance and 4 stroke motorcycle users. It reduces high pressure and friction losses in the engine and provides excellent acceleration and power in conditions on the race track.

Certificates and Standards:

API SL, JASO MA-2



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5-16,3
VISCOSITY INDEX	ASTM D2270	MIN. 120
FLASH POINT, °C	ASTM D92	MIN. 215
POUR POINT, °C	ASTM D97	MAX. -28



1L



WOXOL 15W40 SG

4T MOTORCYCLE OIL

4T 15W-40 combine highly refined quality mineral oils and advanced additives to provide good engine cleanliness, good wear protection and corrosion protection. It's suitable all seasons for air cooled/ liquid-cooled 4-stroke engines and wet clutches. Provides year round engine protection and high performance. Helps to keep engines clean for smoother operation. Provides fuel economy by excellent viscosity control property. Shear stable viscosity improvers help resist oil film breakdown.

Certificates and Standards:

API SL, JASO MA (T903:2011), JASO MA2 (T903:2011)



1L

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 145
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -32

WOXOL 20W50 JASO MA2

4T MOTORCYCLE OIL

It is a motorcycle oil obtained by using quality mineral base oils and superior performance additives. It is used in four-stroke and high-performance motorcycles with air or water cooling for all seasons. It also meets API SL and / or JASO MA2 standard recommendations. It is also suitable for European and Japanese made motorcycles.



Certificates and Standards:

API SL/SJ/SG, JASO MA (T903:2011), JASO MA2 (T903:2011)

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	16,3-21,9
VISCOSITY INDEX	ASTM D2270	MIN. 110
FLASH POINT, °C	ASTM D92	MIN. 230
POUR POINT, °C	ASTM D97	MAX. -24



1L

Gear & Transmission Oils

premium
quality
and the
best *perform-*
mance
for *gear &*
transmission.



WOXOL 75W80 GL-5

GEAR OIL

Woxol 75W80 is a synthetic gear oil that meets API GL-5/GL-4 standards, formulated to meet the performance requirements of harsh conditions. It is used in differential gearboxes where EP gear oils are recommended, including hypoid and worm gears operating in high speed/ heavy load, and/or high speed/high torque conditions. It performs very well in axle gears under heavy load. Thanks to its improved formula, it provides much more fuel savings than conventional gear oils.

Certificates and Standards:

API GL-5/GL-4, ZF TE-ML 05A, 7A, 12E, 16B, C and D, 17B, 19B, 21B, MAN 342M-1, MAN 342 M-2, Scania STO 1:0, Volvo 1273.12, DIN 51517 Part 3, U.S. Steel 224, AGMA 9005-D94



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	A ASTM D445	8,4 - 13,5
VISCOSITY INDEX	ASTM D2270	MIN. 130
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -36

WOXOL 80W90 GL-5

GEAR OIL

Woxol 80W90 is a synthetic gear oil that meets API GL-5/GL-4 standards, formulated to meet the performance requirements of harsh conditions. It is used in differential gearboxes where EP gear oils are recommended, including hypoid and worm gears operating in high speed/ heavy load, and/or high speed/high torque conditions. It performs very well in axle gears under heavy load. Thanks to its improved formula, it provides much more fuel savings than conventional gear oils.

Certificates and Standards:

API GL-5/GL-4, ZF TE-ML 05A, 7A, 12E, 16B, C and D, 17B, 19B, 21B, MAN 342M-1, MAN 342 M-2, Scania STO 1:0, Volvo 1273.12, DIN 51517 Part 3, U.S. Steel 224, AGMA 9005-D94



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	A ASTM D445	14,5 - 18,5
VISCOSITY INDEX	ASTM D2270	MIN. 95
FLASH POINT, °C	ASTM D92	MIN. 220
POUR POINT, °C	ASTM D97	MAX. -20





WOXOL 75W90 GL-5

GEAR OIL

It is a synthetic gear oil formulated from synthetic base oils and advanced additive system to meet the performance requirements of harsh conditions. It is designed for heavy-duty manual transmissions and rear axles where extreme pressure shock loading is expected, with excellent load carrying capacity over a wide operating temperature range. This gear oil has excellent thermal and oxidation stability, high Viscosity Index, very low pour point and high fluidity at low temperature.

Certificates and Standards:

API GL-5/GL-4, MAN 342 M-1, MAN 342 M-2, ZF 05A/07A/08/12A/12E/16B-D/17B/19B/21A, SAE J2360, Volvo 1273.10, Scania STO 1:0, Industrial



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	13,5 - 18,5
VISCOSITY INDEX	ASTM D2270	MIN. 140
FLASH POINT, °C	ASTM D92	MIN. 200
POUR POINT, °C	ASTM D97	MAX. -35

WOXOL 90 GL-4

GEAR OIL

It is a special gear oil formulated from mineral base oils obtained from modern refining processes and high quality additives. It has been developed for use in transmissions of automobiles and commercial vehicles. Its formula, developed using state-of-the-art additives, provides maximum protection against wear in the transmission. It has superior pumpability with its excellent fluidity at low temperatures. Thanks to its excellent oil film durability, it has superior lubricating properties. It is resistant to extreme pressure (EP), has anti-rust, oxidation and anti-foaming properties.

Certificates and Standards:

API GL-4, U.S. Steel 224, AGMA 9005-D94, David Brown S1.53.101(E), David Brown S1.53.101(E), DIN 51517 Part 3, ZF TE-ML 02A, 08, 16A, 17A, 19A



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	13,5 - 18,5
VISCOSITY INDEX	ASTM D2270	MIN. 99
FLASH POINT, °C	ASTM D92	MIN. 220
POUR POINT, °C	ASTM D97	MAX. -18





WOXOL 85W140 GL-5 GEAR OIL

Woxol 85W140 GL-5 is a high-performance gear lubricant formulated from select base oils and an advanced additive system. Thanks to its special formula provides effective protection against corrosion may occur in severe operating conditions. Suitable for differentials and transaxles of vans, trucks, and buses when the manufacturer recommends a GL-5 transmission oil with a viscosity of SAE 85W-140. Shows very high extreme-pressure properties for optimal protection against scuffing. Increased protection against wear and tear, also under high stress working conditions. Have extreme pressure (EP) resistant to corrosion and oxidation and antifoaming properties. It is suitable in four seasons due to its multigrade properties.

Certificates and Standards:

API GL-5/GL-4, ZF TE-ML 05A, 7A, 12E, 16B, C and D, 17B, 19B, 21B, MAN 342M-1, MAN 342 M-2, Scania STO 1:0, Volvo 1273.12, DIN 51517 Part 3, U.S. Steel 224, AGMA 9005-D94



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	MIN. 32,1
VISCOSITY INDEX	ASTM D2270	MIN. 99
FLASH POINT, °C	ASTM D92	MIN. 230
POUR POINT, °C	ASTM D97	MAX. -15

WOXOL DSG DIRECT-SHIFT GEARBOX FLUID

Woxol DSG is a modern and powerful transmission fluid. With that product, the manufacturer Woxol focused on a high-quality HC-Synthese oil basic and improved it by innovative additive packages. By the Woxol DSG Fluid, the dual clutch gets better lubricated as by many other oils. So the Woxol oil is suitable for all dual clutches which share their oil with the clutch, synchronization, wheelset and hydraulic suspension. With the development of the Woxol DSG. This fluid is suitable for several cars of VW, Audi, Seat, Ford (powershift) and Chrysler. Highperformance oil, Excellent additive package, Extremley shear-stable viscosity index improvers, Modern anti-wear additives, Friction reducers



Certificates and Standards:

BMW 83220440214, BMW 83222147477, BMW 83222148578, BMW 83222148579, BMW DCTF-I, BMW MTF LT-5, Chrysler, Ford WSS-M2C 936-A, MB 236.21, Mitsubishi MZ320065 Dia-Queen SSTF-I, Nissan WSS-M2C 936-A, PSA 9734.S2, Porsche 999.917.080.00, Volvo 1161839, Volvo 1161838, VW G 052 182, VW G 052 529, VW G 055 529

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	7,3
VISCOSITY INDEX	ASTM D2270	MIN. 160
FLASH POINT, °C	ASTM D92	MIN. 200
POUR POINT, °C	ASTM D97	MAX. -42





WOXOL 140 GL-4 GEAR OIL

Is high performance, heavy duty gear lubricants formulated from high quality base oils and an advanced additive system. Have been developed to be used in gearboxes of passenger cars, on highway light and heavy duty trucks, and commercial vehicles. Prevents premature gear system failure due by maintaining viscosity longer. Protect gears from deposit buildup under the stress caused by hauling extra-heavy loads with our thermally durable additive system, which resists oxidation and deposits. Have extreme pressure (EP) resistant to corrosion and oxidation and antifoaming properties.

Certificates and Standards:

API GL-4, U.S. Steel 224, AGMA 9005-D94, David Brown S1.53.101(E), DIN 51517 Part 3, ZF TE-ML 02A, 08, 16A, 17A, 19A



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	MIN. 32,1
VISCOSITY INDEX	ASTM D2270	MIN. 99
FLASH POINT, °C	ASTM D92	MIN. 230
POUR POINT, °C	ASTM D97	MAX. -15

WOXOL CVT CONTINUOUSLY VARIABLE TRANSMISSION FLUID

Woxol CVT passenger car CVT type automatic transmission used in vehicles oil. Woxol CVT product OEM developed according to the requirements and its quality proven by laboratory and field tests. Woxol CVT products have many It is designed for service filling of passenger cars. Woxol CVT the product is excellent shows anti-foam properties. Gasket It does not have a negative effect on the materials. Thanks to its advanced anti-corrosion properties, all provides safe protection on equipment parts. Recommendations for NS-2, SPIII and other CVT transmission oils from Woxol CVT use in various transmissions recommended. Specially for drum variator systems enhanced 'unique design features and heavy can be used in working conditions. For wet clutches as well as belt-pulley pairs It has optimum anti-friction properties. High thermooxidative stability of its oil high quality maintenance throughout the service life provides. Provided with optimum viscosity and additives improved lubrication and wear protection shows features. High viscosity index and low temperature It has fluidity.

Certificates and Standards:

Audi/VW TL 52180; G 052 180 Ford CVT23, CVT30, MERCON C Honda HMMF Toyota TC Nissan NS-2 Mitsubishi CVTF-JI/ SP-III Subaru NS-2/Lineartronic CVTF, Mini Cooper EZL 799 Hyundai/Kia SP-III Suzuki TC/NS-2/CVT Green 1 Dodge/Jeep NS-2/CVTF+4 GM/Saturn DEX-CVT MB 236.20



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	7,2
VISCOSITY INDEX	ASTM D2270	MIN. 165
FLASH POINT, °C	ASTM D92	MIN. 200
POUR POINT, °C	ASTM D97	MAX. -42



WOXOL **ATF VI**

MULTI AUTOMATIC TRANSMISSION FLUID

ATF DEXRON-VI is a high performance, synthetic blend formulation that meets or exceeds the stringent requirements of GM's DEXRON-VI specification and provides warranty protection for 2006 and newer GM vehicles. It also provides improved performance in older GM vehicles, wherever DEXRON is specified. Extended fluid life. Improved oxidation and thermal stability. Optimized frictional properties that provide smooth gear shifting during low temperature operation and help prevent transmission vibration. Outstanding resistance against sludge and deposit formation. Improved anti-wear protection which contributes to extended transmission life. Outstanding low temperature performance.

Certificates and Standarts:

ATF DEXRON-VI provides warranty protection for 2006 and newer GM vehicles



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	5,3 - 6,8
VISCOSITY INDEX	ASTM D2270	MIN. 155
FLASH POINT, °C	ASTM D92	MIN. 215
POUR POINT, °C	ASTM D97	MAX. -38

WOXOL **ATF III**

AUTOMATIC TRANSMISSION FLUID

Automatic transmission from Woxol ATF III used as a GM DEXRON III fluid high performance that meets specification it is a synthetic technology product. Woxol ATF III product for passenger cars and heavy automatic transmission and transmissions, steering gears, and with hydraulic system if recommended used in mechanisms. High performance level against wear. Requirements of commercial vehicles and passenger vehicles meets at the highest level. Rust and corrosion sensitive system prolongs the life of the components. Provides long transmission life and transmission increases efficiency. Prevents wear of automatic transmission parts. Compatible with all sealing elements. Does not become too thick at low temperatures and easy to transmit.

Certificates and Standarts:

ZF TE-ML 04D,14A (ZF001760),MAN 339 TYP Z1 AND V1,MB 236.6 , Voith 55.6336, ZF TE ML 14B,17C, ALLISON C-4,CAT TO-2,FORD MERCON AND MERCON V,GM DEXRON III H



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	7,3
VISCOSITY INDEX	ASTM D2270	MIN. 160
FLASH POINT, °C	ASTM D92	MIN. 200
POUR POINT, °C	ASTM D97	MAX. -42





WOXOL ATF IV

MULTI AUTOMATIC TRANSMISSION FLUID

ATF Dexron 4+ is a synthetic automatic transmission fluid formulated with high performance synthetic base oils and advanced additive technology, meeting Dexron III and Dexron II performances as well as DEXRON IV. It provides excellent flow properties at low starting and high operating temperatures. Provides improved shift performance in Chrysler vehicles. It has good viscosity stability. Excellent oxidation stability enables less fluid usage in high temperature service. Protects against rust and corrosion. Provides more assured wear protection for maximum transmission/transmission life.

Certificates and Standards:

JASO M315 1A-LV, MERCON LV, Acurat ATF-Z1, Aisin Warner JWS 3309 (T-IV) & JWS 3324 (WS), ATF RED 1, RED 1K, AUDI G 055 025 A2 (JWS 3309), BMW JWS 3309(T-IV), BMW Mini, Chrysler Dodge Mopar AS 68 RC (T-IV), JWS 3309, Daihatsu AMMIX ATF D-II, Daihatsu AMMIX ATF D-III SP, FIAT T-IV type, JWS 3309, Ford FNRS, Ford WSS M2C 922A1, 924A (XT-8- QAW) JWS 3309, FUSO ATF-II, FUSO ATF - SP III, FUSO ATF A4, GM 9986195 (Aisin AW, JWS 3309), HINO Blue Ribbon ATF, Honda ATF-Z1 (except in CVTs), Honda DW 1, Hyundai/Kia SP-III, Hyundai/Kia SP IV, Hyundai/Kia SP IV M, Hyundai/Kia SP IV RR, Hyundai/Kia JWS 3314, Hyundai/Kia JWS 9683, ISUZU BESCO ATF-II, ATF-III, JASO M315-2013 1A, JASO M315- 2013 1A-LV, JASO M315-2013 2A, Lexus JWS 3309, KIA ATF SP II, SP III, SP IV, SP IV M, Red 1, MAZDA ATF D II, MAZDA ATF M III, Mazda ATF M-V, Mazda ATF FZ, Mazda ATF S-1, Mazda ATF N-1, Mazda ATF 3317, MINI COOPER T-IV, Mitsubishi,Diaqueen SK, itsubishi, Diaqueen SP II, Mitsubishi, Diaqueen SP, III Mitsubishi Diaqueen SP IV, Mitsubishi Diaqueen AW, Mitsubishi Diaqueen J2, Mitsubishi Diaqueen J3, Mitsubishi Diaqueen ATF PA, Nissan Matic Fluid C, D, J, K and S, Porsche T-IV (JWS 3309), Saab T-IV (JWS 3309), Saab 93 165 147, Saturn T-IV (JWS 3309), Scion (all vehicles), Subaru ATF, ATF 5AT, ATF HP,Subaru Dexron®-II, Suzuki ATF 3314, Suzuki AT OIL 5D06, Suzuki ATF 2326, Suzuki ATF 2384K, Suzuki ATF JWS 3309, Suzuki ATF 3317, Texaco N402, Toyota ATF T-III, T-IV, Toyota ATF D-II,D-III, Toyota ATF WS, Ford MERCON, Ford MERCON LV(FF-WSS- M2C-938A/SF, XT-10 QLV), Mazda ATF F-1



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	6,4 - 7,5
VISCOSITY INDEX	ASTM D2270	MIN. 145
FLASH POINT, °C	ASTM D92	MIN. 200
POUR POINT, °C	ASTM D97	MAX. -38

WOXOL ATF STEERING FLUID

Woxol Steering Fluid is a premium fully synthetic oil specially designed for use in power steering and suspension units. It contains a unique combination of anti-shudder additives, dispersants and seal swell additives along with a specialized synthetic base oil to offer maximum wear protection, long service life and minimization of viscosity loss. It is primarily designed and recommended for use in the power steering units of all Honda motor vehicles as well as Rover models 416i, 825 and 827 that use Honda power steering components. It may also be used in high performance applications in other vehicles such as Ford Tickford series, AU, BA & BF XR, FPV & Territory SX-SY series vehicles. The synthetic base oils and higher viscosity help to reduce pump wear and maintain steering feel where extra heat and load is expected in these applications.

Certificates and Standards:

Ford M2C134-C • Ford M2C134-D • Honda PSF-II • Honda PSF-S • Honda PSF-V



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	8,9 - 11,7
VISCOSITY INDEX	ASTM D2270	MIN. 160
FLASH POINT, °C	ASTM D92	MIN. 200
POUR POINT, °C	ASTM D97	MAX. -42





WOXOL ATF WS FLUID

Automatic transmission fluid WS World Standard, 100% Synthetic Long Life. Its low viscosity provides a fuel economy Fuel Economy, thus meeting the specifications builders, OEMs, more specific. Formulated with anti-friction additives to overcome the demanding performance of Asian vehicles. Protects transmission gears allowing a smooth and shock-less transmission operation. Stability of friction and anti-wear performance. High viscosity index and excellent viscosity stability in service. Extended changes drain; durability. High shear stability; oil maintains its viscosity for longer and maintains stability and maintenance of film. Protection against wear and corrosion of the system, extending the life of the mechanism. Prevents oil aging (oxidation). Control of sludge and varnish formation. High thermal and film stability; even at elevated operating temperatures. Excellent performance at low temperatures, very important in starting the vehicle. Fully compatible with rubber gaskets. High resistance to foam formation.

Certificates and Standards:

Toyota WS JWS 3324 Hyundai / Kia SP-IV Nissan Matic S Aisin Warner AW-1 GM Dexron® VI Ford Mercon® LV Mercon SP Honda ATF DW-1 MB 236.41 ZF 8-Speed ATs (ZF Lifeguard Fluid 8) Hyundai NWS-9638 JASO 1A G 055 162 G 060 162 G 055 540 MITSUBISHI ATF J3 MAZDA ATF FZ HYUNDAI SPH-IV



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	5,2 - 6,4
VISCOSITY INDEX	ASTM D2270	MIN. 50
FLASH POINT, °C	ASTM D92	MIN. 195
POUR POINT, °C	ASTM D97	MAX. -45

WOXOL ATF LHM FLUID

Woxol LHM FLUID, is a brake fluid that is especially improved for Citroen brand vehicles. LHM FLUID can be used confidently in the hydraulic systems of the following models Citroen cars XM,GS,GSA,BX,CX,C35. An oil product that has high viscosity index.Anti-foam resistance. PSA B71 2710 ISO 7308.



Certificates and Standards:

PSA B71 2710 ISO 7308.

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	6,3
VISCOSITY INDEX	ASTM D2270	MIN. 353
FLASH POINT, °C	ASTM D92	MIN. 105
POUR POINT, °C	ASTM D97	MAX. -60





WOXOL ATF CHF FLUID

This is a full synthetic lubricant based on carefully selected very high quality base oils. It is a hydraulic "multipurpose" fluid specifically designed for the use in all circuits and in a temperature range between -40°C and 130°C. This fluid has a very high viscosity index, an exceptional oxidation stability, anti-foam and anti-rust properties. It has a unique friction reducing additive for reduction of wear and noise production of the hydraulic pump. This multipurpose fluid is to be used in the following applications : hydraulic suspensions, shock absorbers, hydrostatic controls, centralized hydraulic circuits, power steering and level controls. It is also suitable for suspension and steering wheel systems of MAN trucks. Can be used for all cars requiring 11S.

Certificates and Standards:

CHRYSLER: MS 5931 CHRYSLER: MS-11655B DTFR 31B120 FORD: WSS-M2C204-A GM: 9985835 ISO 7308 MAN: M3289 MB: 345.0 / 345.1 OPEL: GM 1940766 PSA S712710 SAAB: 9-3 power steering SAAB: 9-5 power steering VOLVO: 1161529-1 VW: TL 521.46 ZF: TE-ML 02K ZF: TE-ML 09



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	6,12
VISCOSITY INDEX	ASTM D2270	MIN. 340
FLASH POINT, °C	ASTM D92	MIN. 170
POUR POINT, °C	ASTM D97	MAX. -60

WOXOL ATF VIII - IX MULTI AUTOMATIC TRANSMISSION FLUID

Woxol ATF FLUID is a premium quality multi-vehicle automatic transmission fluid developed for use in a wide range of passenger car applications. V PER ATF FLUID is formulated using the highest quality fully synthetic base stocks together with advanced additive technology which combine to provide a low viscosity fluid with significant fuel saving benefits. Extended fluid life, exceptional oxidation resistance, proven anti-wear performance, fuel saving benefits, excellent sludge and varnish control, optimised frictional characteristics, outstanding low temperature fluidity. Is an ideal choice for use in many of the latest passenger car automatic transmissions, including 7, 8 & 9 speed units produced by ZF and modern Mercedes-Benz auto transmissions.

Certificates and Standards:

Aisin Warner AW-1, AW-2, JWS 3324 Audi/VW TL 052 162-Z (G 060 162) G 055 005 G 055 162 G 055 540 G 052 540 Bentley JNV 862 564 D BMW 83 22 0 142 516 83 22 2 152 426 83 22 2 305 397 (ATF 3) 83 22 2 289 720 (ATF 3+) DSIH 6p805 (Geely, Ssangyong, Mahindra 6sp) Fiat 9.55550-AV5 Ford Mercon ULV, Mercon LV GM Dexron HP, Dexron VI, Dexron ULV Honda DW-1, ATF Type 3.0, ATF Type 3.1 Hyundai/Kia SP-IV, SPH-IV, SP-IV RR, NWS-9638 T-5 Jaguar JDE26444, Fluid 8432 JASO 1A-LV, M315 Mazda ATF-FW 6A EL, ATF-FW 6AX EL, ATF FZ Mitsubishi ATF-J3, ATF-PA, SP-IV Nissan Matic S, Matic W Toyota WS (JWS 3324) Mercedes-Benz 236.12, 236.14, 236.15, 236.16, 236.17, 236.41 Saab 93 165 147 Volvo 6 Speed MY 2011-2013 (P/N31256774 or 31256675) ZF Lifeguardfluid 6 (S671 090 255) Lifeguardfluid 8 (S671 090 312) Lifeguardfluid 9 TE-ML 1



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	A ASTM D445	6,00
KINEMATIC VISCOSITY (40°C) [MM2/S = CST]	ASTM D2270	30,00
FLASH POINT, °C	ASTM D92	MIN. 225
POUR POINT, °C	ASTM D97	MAX. -45



Brake Fluids

premium
quality
and the
best *perfor-*
mance
for *brake*



WOXOL DOT-3

BRAKE FLUID

Hydraulic Brake Fluid is a special synthetic based fluid. Hydraulic brakes and clutches of motor vehicles used in systems. Systems used against wear, rust and corrosion prolongs the life of the system. Hydraulic brakes and clutches of motor vehicles used in systems.

Certificates and Standards:

SAE J 1703 DOT 3 ISO 4925 FMVSS 116 MAN



TEST	METHOD	TYPICAL VALUES
DENSITY, @15 °C	ASTM 4052	1,026 - 1,085
KINEMATIC VISCOSITY (100°C)	ASTM D 445	1,5
BOILING POINT °C	-	MIN. 240
PH VALUE	-	7,0 - 9,4

WOXOL DOT-4

BRAKE FLUID

Hydraulic Brake Fluid is a special synthetic based fluid. Hydraulic brakes and clutches of motor vehicles used in systems. Systems used against wear, rust and corrosion prolongs the life of the system. Hydraulic brakes and clutches of motor vehicles used in systems.



Certificates and Standards:

SAE J 1703 DOT 3 SAE J 1704 DOT 4 ISO 4925 FMVSS 116 MAN

TEST	METHOD	TYPICAL VALUES
DENSITY, @15 °C	ASTM 4052	1,040 - 1,085
KINEMATIC VISCOSITY (100°C)	ASTM D 445	MIN. 1,8
BOILING POINT °C	-	MIN. 250
PH VALUE	-	7,4 - 9,4





WOXOL
DOT-5.1
BRAKE FLUID

Woxol DOT-T 5.1 Silicone Brake Fluid (DOT V) is formulated for use in hydraulic brake systems. Unlike Dot 3 and Dot 4 Brake fluids, DOT 5 is hydrophobic and does not absorb water. DOT 5 Silicone Brake Fluid provides corrosion protection and lubrication of brake system components. It also has a higher dry boiling point (260 C) and a wet boiling point (180 C) than conventional glycol-based brake fluids. Woxol DOT 5 Silicone Brake Fluid does not damage the paint either. Silicone Based, Hydrophobic, Blue-Viscous Fluid, Non-Flammable, Meet Mil-PRF 46176 and Mil-PRF-46176B, Meets NSN 9150-01-0728379, Wide Service temperature range, Will not damage paint, Will not absorb moisture, Long service life

Certificates and Standarts:



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	-	4,7
DRY BOILING POINT	-	MIN. 260 °C
WET BOILING POINT	-	MIN. 180 °C
FLASH POINT	-	> 204 °C

Hydraulics Oils

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quality
and the
best *perfor-*
mance
hydraulics



WOXOL **HYDRAULIC 32**

HYDRAULIC

Hydraulic system oils formulated using high quality base oils, oxidation, wear and rust preventive additives. It is recommended for use in many industrial systems and mobile hydraulics. It provides resistance against corrosion, oxidation, foaming and sludge formation

Certificates and Standards:

DIN 51524 Part 2, Denison HF-0, HF-1, HF-2, Cincinnati Machine P-68, P-69, P-70, U.S. Steel 127, U.S. Steel 136 Bosch Rexroth, Eaton Vickers M-2950-S, AFNOR NFE 48-690, NFE 48-691, Eaton Vickers I-286-S, GM LS-2, JCMAS HK, SAE MS1004



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (48°C) [MM ² /S = CST]	ASTM D445	29,2 - 34,6
VISCOSITY INDEX	ASTM D2270	MIN. 99
FLASH POINT, °C	ASTM D92	MIN. 200
POUR POINT, °C	ASTM D97	MAX. -28

WOXOL **HYDRAULIC 46**

HYDRAULIC

Hydraulic system oils formulated using high quality base oils, oxidation, wear and rust preventive additives. It is recommended for use in many industrial systems and mobile hydraulics. It provides resistance against corrosion, oxidation, foaming and sludge formation.

Certificates and Standards:

DIN 51524 Part 2, Denison HF-0, HF-1, HF-2, Cincinnati Machine P-68, P-69, P-70, U.S. Steel 127, U.S. Steel 136, Bosch Rexroth, Eaton Vickers M-2950-S, AFNOR NFE 48-690, NFE 48-691, Eaton Vickers I-286-S, GM LS-2, JCMAS HK, SAE MS1004



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (48°C) [MM ² /S = CST]	A ASTM D445	41.4 - 50.6
VISCOSITY INDEX	ASTM D2270	MIN. 99
FLASH POINT, °C	ASTM D92	MIN. 215
POUR POINT, °C	ASTM D97	MAX. -25





WOXOL

HYDRAULIC 68

HYDRAULIC

Hydraulic system oils formulated using high quality base oils, oxidation, wear and rust preventive additives. It is recommended for use in many industrial systems and mobile hydraulics. It provides resistance against corrosion, oxidation, foaming and sludge formation.

Certificates and Standards:

DIN 51524 Part 2, Denison HF-0, HF-1, HF-2, Cincinnati Machine P-68, P-69, P-70, U.S. Steel 127, U.S. Steel 136, Bosch Rexroth, Eaton Vickers M-2950-S, AFNOR NFE 48-690, NFE 48-691, Eaton Vickers I-286-S, GM LS-2, JCMAS HK, SAE MS1004



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM ² /S = CST]	ASTM D445	61.2 - 74.8
VISCOSITY INDEX	ASTM D2270	MIN. 99
FLASH POINT, °C	ASTM D92	MIN. 215
POUR POINT, °C	ASTM D97	MAX. -25

Farmer's Choice

Tractor Oils

premium
quality
and the
best *perfor-*
mance
for *tractors.*



WOXOL 422 GL-4

TRACTOR OIL

It is a high performance multipurpose tractor oil designed to meet or exceed transmission and hydraulic fluid requirements. This product is formulated to fill or refill the oil used in transmissions, drive units, hydraulic systems of tractors and other mobile equipment used in agriculture and industry, and especially in oil-bath braking systems. It is designed with special friction characteristics to prevent chirping and rattling noises in wet braking systems and to provide stable braking performance.

Certificates and Standards:

API GL-4, SAE 80W, Massey Ferguson CMS M1143 and 1135, Case New Holland MAT 3525 and 3526, Allison C4, ZF TE-ML 07B, 06D, 06C, 06B, Ford M2C 134D, John Deere J20C API CF-4, API SF, SAE 10W30, Massey Ferguson CMS M1144 and 1139, ACEA E2/E3, John Deere J27, MB-Approval 228.3, New Holland NH 03D/C and NH 024C, Ford M2C 159B/C



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	ASTM D445	9,5 - 12,5
VISCOSITY INDEX	ASTM D2270	MIN. 130
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -30

WOXOL 426 GL-4

TRACTOR OIL

Woxol 426 GL-4 is an extra high performance multipurpose tractor oil designed to meet or exceed powertrain and hydraulic oil demands. It is designed to meet the performance demands of agricultural and commercial tractors in a wide range of environments and operating conditions. Used in heavy-duty drivelines, differentials, final drive gears, hydraulic systems, power steering systems, wet brakes, PTOs and hydrostatic drive systems. It can be used in all gear applications except hypoid gear designs where API GL-4 or SAE 80W class oils are required. Woxol 426 is not suitable for use as crankcase engine oil, but it is recommended to be used instead of engine oils in hydraulic systems and powertrains (up to 10W-30 viscosity).

Certificates and Standards:

JOHN DEERE JDM J20C/J20D, MASSEY FERGUSON CMS: M1110, 1127(A&B), 1129A, 1135, 1139,1141,1143&1145, VOLVO WB101, CNH MAT 3525/3526, API GL-4, ALLISON C-4&C-3, CATERPILLAR TO-2, ZF: TEML03&TEML06, KUBOTA (UDT), LANDINI, JCMAS HK P-041, CASE MS 1204/1206/1207/1209, PARKER (DENISON UTTO, HF-O-HF-02, FORD M2C134D, M2C (A THRU C), M2C86 (A THRU C) M2C86-(A&B), M2C77-A, M2C48-(B&C)&M2C41-B, VICKERS I-280-S/ EATON M-2950-S, JOHN DEERE JDM J14(A,B,C JDT303), J20 (A,B,HY-GARD), J21A&J27 (10W-30), MS-1204,1205,1206 (POWERCARD PFT), 1207(HY-TRAN PLUS), 1209 (HY-TRAN PLUS), 1210, JIC-143,144,145(TCH FLUID) & 185 (TFD FLUID), DEUTZ-ALLIS:25743 (PF-821 XL), 257541&246634, FIAT-HESSTON: AF-87, I.H.C.: B5&B-6 HYTRAN, OLIVER: TYPE 55, TYPE 5J & Q1802, STEIGER HYDR TRANS FLUID, SAUER SUNSTRAND/ DANFOS, WHITE: Q-1705, 1722, 1766, 1766 (UTHF), 1802&1826

TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	ASTM D445	10,1
VISCOSITY INDEX	ASTM D2270	MIN. 145
FLASH POINT, °C	ASTM D92	MIN. 230
POUR POINT, °C	ASTM D97	-





WOXOL 428 TRACTOR OIL

Woxol 428 is a modern, extra high performance, multi-purpose tractor oil designed to meet or exceed the requirements of transmission and hydraulic components manufacturers. Designed to maximize the performance of agricultural and commercial tractors operating in a wide range of environments and conditions. Woxol 428 is recommended for use in off-road applications including agriculture, construction and quarrying. Its friction characteristics help reduce wet braking and PTO vibration. This new generation product is formulated using high quality base oils and advanced additive technology to provide high shear stability along with excellent thermal stability. Thanks to its excellent sliding stability and air control, Woxol 428 is suitable for use in conventional CVTs (hydraulic pump and planetary gear parts).

Certificates and Standards:

ZF TE-ML 03E, VOLVO WB-101, ZF TE-ML 05F, ZF TE-ML 06K, ZF TE-ML 17E, ZF TE-ML 21F, MASSEY FERGUSON CMS M1145, ALLISON C-4, API GL-4, CATERPILLAR TO-2, NEW HOLLAND WB NWH 410B, JOHN DEERE JDM J20C.



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C)	ASTM D 445	9,3
VISCOSITY INDEX	ASTM D2270	MIN. 140
FLASH POINT, °C	ASTM D92	MIN. 235
POUR POINT, °C	ASTM D97	MAX. -42

WOXOL 10W30 GL-4 TRACTOR OIL

Woxol 10W30 GL-4 In manual or "Power-Shift", "Shuttle-Shift" and CVT automatic transmissions, front/rear axle and oil-bath brake systems (wet brake), final drive unit of tractors, agricultural and construction machinery that require the use of oil with especially high shear strength, It is a high performance (UTTO) transmission oil developed with the latest technology additive package and unique combination of special base oils for use in hydraulic and power steering systems.

Certificates and Standards:

API GL-4 Meets API CF-4/SF MF - M1145 ZF TE-ML 06B(*), 07B MF M1139, MF M1144, JD J27, Ford M2C 159-B JD 20C, Ford M2C -134D and 86B, Case MS 1207 suitable for use in specified areas.



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	ASTM D445	9,5 - 12,5
VISCOSITY INDEX	ASTM D2270	MIN. 130
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -30



WOXOL 15W40 CF-4 TRACTOR OIL

It is a motor oil obtained as a result of combining quality base oils with the best additives. It is used in high speed old and new type engines. Especially the passenger and stop-go type; Suitable for commercial passenger vehicles. It provides protection against wear at high and low temperatures and shows excellent performance under heavy operating conditions. It protects the engine at low and high temperatures and minimizes the friction in the engine by forming a strong layer.

Certificates and Standards:

API CI-4/CH-4/SL ACEA E7/E5/E3/E2, MB 228.3, MAN M3275, Mack EO - M PLUS, MTU Type 2, Volvo VDS-3 /VDS-2, Renault RLD/RLD-2, Cummins 20078 / 20077 / 20076, CAT ECF -2



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	ASTM D445	12,5 - 16,3
VISCOSITY INDEX	ASTM D2270	MIN. 125
FLASH POINT, °C	ASTM D92	MIN. 210
POUR POINT, °C	ASTM D97	MAX. -30

WOXOL 20W50 CF-4 TRACTOR OIL

Woxol 20W-50, high quality mineral based base oils and advanced performance additives Allseason reliability for automobiles and light commercial vehicles produced with diesel fuels. It is an engine oil that can be used with a passenger who works especially under difficult conditions and has frequent stop-and-go. Suitable for vehicles. Also in minibuses, pickup trucks, other four-stroke engines and other business. It can be used safely in the lubrication of machines. Also in vehicles that run on fuels such as gasoline and LPG can be used safely. It provides easier first start-up thanks to its superior fluidity at low temperatures. It provides fuel economy and long service life with its excellent viscosity control feature. It has high resistance to tearing due to its high viscosity index. Extends oil change intervals even when using high-sulphur fuel.

Certificates and Standards:

API CF-4/SJ, MB 228.1, 229.1, ACEA A3/B3-04, ACEA E3-96 Issue 4, Mack EO-L Plus, MAN 271, MTU Level 1, Deutz DQC-I-05, Volvo VDS



TEST	METHOD	TYPICAL VALUES
KINEMATIC VISCOSITY (100°C) [MM2/S = CST]	ASTM D445	16,3 - 21,9
VISCOSITY INDEX	ASTM D2270	MIN. 115
FLASH POINT, °C	ASTM D92	MIN. 235
POUR POINT, °C	ASTM D97	MAX. -24

Antifreeze

Coolant

premium
quality
and the
best *perfor-*
mance
for *engines.*



WOXOL **ANTIFREEZE -5 RED** EXTENDED DEFENSE COOLANT

Antifreeze; It is a high quality antifreeze consisting of mono ethylene glycol and modern chemical additives used in the cooling systems of gasoline, diesel and LPG engines. While it prevents the system from freezing in cold climates by lowering the freezing point of the cooling water, it increases the boiling point and prevents the temperature from rising and boiling of the cooling water in hot climate conditions. It prevents the formation of harmful layer by preventing heat transfer on the surface of the system it is in, and provides excellent protection against oxidation, rust and corrosion. It does not contain nitrites, amines and phosphorus. It is recommended to be used all year round. Before adding antifreeze to the system for the first time, the system should be circulated with plenty of water. The vehicle manufacturer's recommendation for the coolant change period should be followed.

Certificates and Standards:

VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580 , Komatsu, VOLVO, DAF



TEST	METHOD	TYPICAL VALUES
DENSITY @ 20°C	ASTM D 5002	1,065-1,145
BOILING POINT °C	ASTM D 1120	MIN. 105
RESERVEALKALINITY (M/10HCI), ML	ASTM D 1121	MIN. 3
PH VALUE AT 25 °C	ASTM D1287	MAX. -30

WOXOL **ANTIFREEZE -5 BLUE** EXTENDED DEFENSE COOLANT

Antifreeze; It is a high quality antifreeze consisting of mono ethylene glycol and modern chemical additives used in the cooling systems of gasoline, diesel and LPG engines. While it prevents the system from freezing in cold climates by lowering the freezing point of the cooling water, it increases the boiling point and prevents the temperature from rising and boiling of the cooling water in hot climate conditions. It prevents the formation of harmful layer by preventing heat transfer on the surface of the system it is in, and provides excellent protection against oxidation, rust and corrosion. It does not contain nitrites, amines and phosphorus. It is recommended to be used all year round. Before adding antifreeze to the system for the first time, the system should be circulated with plenty of water. The vehicle manufacturer's recommendation for the coolant change period should be followed.

Certificates and Standards:

VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580 , Komatsu, VOLVO, DAF



TEST	METHOD	TYPICAL VALUES
DENSITY @ 20°C	ASTM D 5002	1,065-1,145
BOILING POINT °C	ASTM D 1120	MIN. 105
RESERVEALKALINITY (M/10HCI), ML	ASTM D 1121	MIN. 3
PH VALUE AT 25 °C	ASTM D1287	MAX. -30



WOXOL ANTIFREEZE -5 GREEN

EXTENDED DEFENSE COOLANT

Antifreeze; It is a high quality antifreeze consisting of mono ethylene glycol and modern chemical additives used in the cooling systems of gasoline, diesel and LPG engines. While it prevents the system from freezing in cold climates by lowering the freezing point of the cooling water, it increases the boiling point and prevents the temperature from rising and boiling of the cooling water in hot climate conditions. It prevents the formation of harmful layer by preventing heat transfer on the surface of the system it is in, and provides excellent protection against oxidation, rust and corrosion. It does not contain nitrites, amines and phosphorus. It is recommended to be used all year round. Before adding antifreeze to the system for the first time, the system should be circulated with plenty of water. The vehicle manufacturer's recommendation for the coolant change period should be followed.

Certificates and Standards:

VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580, Komatsu, VOLVO, DAF



TEST	METHOD	TYPICAL VALUES
DENSITY @ 20°C	ASTM D 5002	1,065-1,145
BOILING POINT °C	ASTM D 1120	MIN. 105
RESERVEALKALINITY (M/10HCl), ML	ASTM D 1121	MIN. 3
PH VALUE AT 25 °C	ASTM D1287	MAX. -30

WOXOL ANTIFREEZE -37 RED

EXTENDED DEFENSE COOLANT

Antifreeze; It is a high quality antifreeze consisting of mono ethylene glycol and modern chemical additives used in the cooling systems of gasoline, diesel and LPG engines. While it prevents the system from freezing in cold climates by lowering the freezing point of the cooling water, it increases the boiling point and prevents the temperature from rising and boiling of the cooling water in hot climate conditions. It prevents the formation of harmful layer by preventing heat transfer on the surface of the system it is in, and provides excellent protection against oxidation, rust and corrosion. It does not contain nitrites, amines and phosphorus. It is recommended to be used all year round. Before adding antifreeze to the system for the first time, the system should be circulated with plenty of water. The vehicle manufacturer's recommendation for the coolant change period should be followed.

Certificates and Standards:

VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580, Komatsu, VOLVO, DAF



TEST	METHOD	TYPICAL VALUES
DENSITY @ 20°C	ASTM D 5002	1,065-1,145
BOILING POINT °C	ASTM D 1120	MIN. 110
RESERVEALKALINITY (M/10HCl), ML	ASTM D 1121	MIN. 5
PH VALUE AT 25 °C	ASTM D1287	7,5 - 11,0



WOXOL **ANTIFREEZE -37 BLUE** EXTENDED DEFENSE COOLANT

Antifreeze; It is a high quality antifreeze consisting of mono ethylene glycol and modern chemical additives used in the cooling systems of gasoline, diesel and LPG engines. While it prevents the system from freezing in cold climates by lowering the freezing point of the cooling water, it increases the boiling point and prevents the temperature from rising and boiling of the cooling water in hot climate conditions. It prevents the formation of harmful layer by preventing heat transfer on the surface of the system it is in, and provides excellent protection against oxidation, rust and corrosion. It does not contain nitrites, amines and phosphorus. It is recommended to be used all year round. Before adding antifreeze to the system for the first time, the system should be circulated with plenty of water. The vehicle manufacturer's recommendation for the coolant change period should be followed.

Certificates and Standards:

VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580, Komatsu, VOLVO, DAF



TEST	METHOD	TYPICAL VALUES
DENSITY @ 20°C	ASTM D 5002	1,065-1,145
BOILING POINT °C	ASTM D 1120	MIN. 110
RESERVEALKALINITY (M/10HCI), ML	ASTM D 1121	MIN. 5
PH VALUE AT 25 °C	ASTM D1287	7,5 - 11,0

WOXOL **ANTIFREEZE -37 GREEN** EXTENDED DEFENSE COOLANT

Antifreeze; It is a high quality antifreeze consisting of mono ethylene glycol and modern chemical additives used in the cooling systems of gasoline, diesel and LPG engines. While it prevents the system from freezing in cold climates by lowering the freezing point of the cooling water, it increases the boiling point and prevents the temperature from rising and boiling of the cooling water in hot climate conditions. It prevents the formation of harmful layer by preventing heat transfer on the surface of the system it is in, and provides excellent protection against oxidation, rust and corrosion. It does not contain nitrites, amines and phosphorus. It is recommended to be used all year round. Before adding antifreeze to the system for the first time, the system should be circulated with plenty of water. The vehicle manufacturer's recommendation for the coolant change period should be followed.

Certificates and Standards:

VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580, Komatsu, VOLVO, DAF



TEST	METHOD	TYPICAL VALUES
DENSITY @ 20°C	ASTM D 5002	1,065-1,145
BOILING POINT °C	ASTM D 1120	MIN. 110
RESERVEALKALINITY (M/10HCI), ML	ASTM D 1121	MIN. 5
PH VALUE AT 25 °C	ASTM D1287	7,5 - 11,0



WOXOL ANTIFREEZE -74 RED

EXTENDED DEFENSE COOLANT

Antifreeze; It is a high quality antifreeze consisting of mono ethylene glycol and modern chemical additives used in the cooling systems of gasoline, diesel and LPG engines. While it prevents the system from freezing in cold climates by lowering the freezing point of the cooling water, it increases the boiling point and prevents the temperature from rising and boiling of the cooling water in hot climate conditions. It prevents the formation of harmful layer by preventing heat transfer on the surface of the system it is in, and provides excellent protection against oxidation, rust and corrosion. It does not contain nitrites, amines and phosphorus. It is recommended to be used all year round. Before adding antifreeze to the system for the first time, the system should be circulated with plenty of water. The vehicle manufacturer's recommendation for the coolant change period should be followed.

Certificates and Standards:

VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580, Komatsu, VOLVO, DAF



TEST	METHOD	TYPICAL VALUES
DENSITY @ 20°C	ASTM D 5002	1,065-1,145
BOILING POINT °C	ASTM D 1120	MIN. 130
RESERVEALKALINITY (M/10HCI), ML	ASTM D 1121	MIN. 8
PH VALUE AT 25 °C	ASTM D1287	7,5 - 11,5

WOXOL ANTIFREEZE -74 BLUE

EXTENDED DEFENSE COOLANT

Antifreeze; It is a high quality antifreeze consisting of mono ethylene glycol and modern chemical additives used in the cooling systems of gasoline, diesel and LPG engines. While it prevents the system from freezing in cold climates by lowering the freezing point of the cooling water, it increases the boiling point and prevents the temperature from rising and boiling of the cooling water in hot climate conditions. It prevents the formation of harmful layer by preventing heat transfer on the surface of the system it is in, and provides excellent protection against oxidation, rust and corrosion. It does not contain nitrites, amines and phosphorus. It is recommended to be used all year round. Before adding antifreeze to the system for the first time, the system should be circulated with plenty of water. The vehicle manufacturer's recommendation for the coolant change period should be followed.

Certificates and Standards:

VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580, Komatsu, VOLVO, DAF



TEST	METHOD	TYPICAL VALUES
DENSITY @ 20°C	ASTM D 5002	1,065-1,145
BOILING POINT °C	ASTM D 1120	MIN. 130
RESERVEALKALINITY (M/10HCI), ML	ASTM D 1121	MIN. 8
PH VALUE AT 25 °C	ASTM D1287	7,5 - 11,5





WOXOL
ANTIFREEZE -74 GREEN
EXTENDED DEFENSE COOLANT

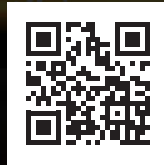
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VW TL 774 F, MB-325.0, GM 6277M, Ford WSS-M97B44-D, DEUTZ MWM, MAN - 324 SNF, BS 6580, Komatsu, VOLVO, DAF



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PH VALUE AT 25 °C	ASTM D1287	7,5 – 11,5



INFILUBE MADENİ YAĞ SANAYİ VE TİCARET A.Ş.

CEVİZLİ MAHALLESİ, TUGAY YOLU CADDESİ OFİSİM İSTANBUL PLAZALARI
B BLOK NO: 20 OFİS: 14 MALTEPE, 34846 İSTANBUL / TÜRKİYE