MINOC®
MOTOR OIL

LUBRICANTS
PRODUCT CATALOGUE

Setting the Standard in Motor Oil Technology

www.minoc.ae

COMPANY PROFILE

MINOC is emerging as a bold new name in the **global lubricant industry**, committed to challenging the status quo and setting new benchmarks in **motor oil performance** and reliability. As a fast-growing firm, **MINOC** is driven by **innovation**, **precision engineering**, & a relentless pursuit of **quality—delivering lubrication solutions** that stand shoulder-to-shoulder with the **world's leading brands.**

Crafted to meet the demands of modern engines, MINOC products are formulated with **advanced additives** and **refined base oils** to ensure exceptional **engine protection**, enhanced **fuel efficiency**, and **long-lasting performance**. Whether for passenger vehicles, heavy-duty fleets, or industrial machinery, MINOC is engineered to exceed expectations across all conditions.

Backed by a strong vision and a commitment to excellence, MINOC is not just entering the market—it's reshaping it. With a growing global presence and an expanding portfolio, MINOC is poised to compete with top-tier brands and earn its place among the **industry's most trusted names**.

BRITISH FORMULATION

SAE INTERNATIONAL

API American Petroleum Institute

acea DRIVING MOBILITY FOR EUROPE

JASO JAPANESE AUTOMOTIVE STANDARDS ORGANIZATION

ILSAC

Emirates Authority For Standardization & Metrology

ISO 14001 : 2015
ISO 45001 : 2018
ISO 9001 : 2015



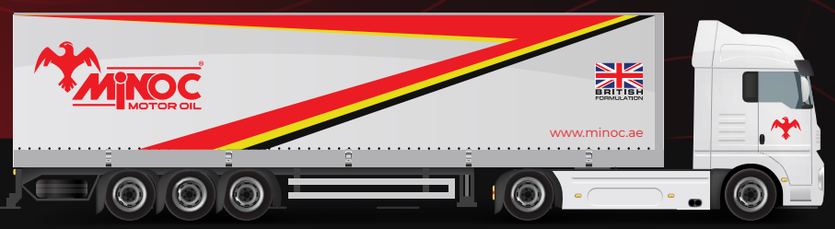
KEY CHARACTERISTICS OF ENGINE OILS

International Standards/ Industry Classifications In North America and Europe, the American Petroleum Institute (API) (e.g. API SN for gasoline engines and API CJ-4 for diesel engines) and the specifications of the Association des Constructeurs Européens d'Automobiles (e.g., ACEA A5/B5 for gasoline and diesel engines, and ACEA C1, C2, C3, C4 for catalyst compatible engines) are generally the standards utilized.

These classifications signify that an engine oil meets the minimum standards set by the industry. In addition to these two main standards oils that meet fuel economy standards are rated by the International Lubricant Standardization and Approval Committee (ILSAC), a joint effort of U.S. and Japanese automobile manufacturers. In addition to this, some vehicle manufacturers have their own approval standards aimed at optimizing the performance of their engines.

These are more stringent than the international standards. Such manufacturers recommend the use of a specific oil (refer to the vehicle owner's manual). Ultra Engine oils meets or exceeds the required API, ACEA and ILSAC classifications. In addition, several products in our range have been developed for specific vehicles/engine models. To choose a quality oil compatible with your engine you should always read your owner's manual. Your car manufacturer will indicate API and/or ACEA classifications and will also mention if a specifically approved lubricant is necessary. The primary function of engine oil is to keep metal from touching metal.

An engine contains hundreds of moving parts that must be protected. If metal surfaces come in contact, wear occurs and friction will increase dramatically. With friction comes heat, which causes more wear and distorts moving engine parts. The oil in your engine maintains a thin, lubricating film on all metal parts that lets them glide over each other, minimizing friction.



VISCOSITY GRADE

The viscosity grade is a measure of the oil's ability to flow–it is one of the most important factors when selecting an engine oil. When the oil is warm, it will f low more easily than when the oil temperature is cold. The correct viscosity grade ensures that the oil is thin enough to flow around the engine during cold startup yet thick enough to protect properly as the engine heats up during operation.

OIL GRADES

There are two types of SAE classifications: monograde and multi-grade. Mono-grade oil such as SAE 30 has certain cold weather limitations and may not f low freely enough to protect the engine in very cold weather conditions. Multi-grade oil such as SAE 10W40 can be used across a broad range of temperatures. These oils are widely used because they allow easy starting and pumping at low temperatures, yet they remain thick enough at high temperatures to provide effective lubrication. 910 Product Catalogue: Ultra Lubricants The "W" stands for "winter" and indicates that the oil meets requirements for low-temperature operation. The system used to classify engine oils by viscosity was developed by the Society of Automotive Engineers and the latest classification is designated SAE J300.

TABLE OF CONTENT

PETROL

SAE 0W8 API SQ
SAE 0W16 API SQ
SAE 0W20 API SP
SAE 0W30 API SP
SAE 0W30 API SN
SAE 0W40 API SP
SAE 0W40 API SN
SAE 5W20 API SP
SAE 5W20 API SN
SAE 5W30 API SP
SAE 5W30 API SN/CF
SAE 5W40 API SP
SAE 5W40 API SN/CF
SAE 10W30 API SN/CF
SAE 10W40 API SN/CF
SAE 10W40 API SL/CI-4
SAE 20W50 API SN/CF
SAE 20W50 API SL/CI-4
SAE 15W40 API SN

DIESEL

SAE 5W-30 API CK-4/SN
SAE 10W-40 API CI-4/SL
SAE 15W40 API CI4/SL
SAE 15W40 API CH4/SJ
SAE 20W50 API CH4/SJ
SAE 40 API CF/SF
SAE 50 API CF/SF
SAE 60 API CF/SF
SAE 70 API CF/SF

HYDRAULIC OIL

ISO 32, ISO 46, ISO 68

COOLANT

50% CONS
100% CONS

TRANSMISSION FLUID

MANUAL GEAR OIL

SAE 90 API GL-5 /4/3
SAE 140 API GL-5/4/3
SAE 150 API GL-5/4/3
SAE 75W85 API GL-5/4/3
SAE 80W90 API GL-5/4/3
SAE 85W90 API GL-5/4/3
SAE 85W140 GL-5/4/3

AUTOMATIC TRANSMISSION

ATF TYPE A
ATF DEXRON III
ATF DEXRON IV
ATF DEXRON VI
CVTF

UNLEASH PERFORMANCE WITH EVERY DROP

WHY CHOOSE MINOC MOTOR OIL

MINOC Lubricants is a reliable choice for drivers and industries looking for performance, protection, and value in one solution. Formulated with advanced British technology and produced at a state-of-the-art facility, MINOC lubricants are engineered to deliver strong engine protection, reduced wear, excellent heat stability, and improved fuel efficiency under demanding conditions. With a complete range covering automotive, off-road, highway, gear, and hydraulic applications, MINOC ensures compatibility for multiple vehicle & equipment types. Its focus on international quality standards, consistent performance, and cost-effectiveness makes it a practical and trusted option for both everyday users and heavy-duty applications.

- Advanced British technology for reliable performance
- Strong engine protection and reduced wear
- Excellent heat and oxidation stability
- Improved fuel efficiency and smoother operation
- Suitable for automotive, off-road, highway, gear, and hydraulic applications
- Compatible with a wide range of vehicles and equipment
- Manufactured in a state-of-the-art production facility
- Meets international quality standards
- Consistent performance under demanding conditions
- Cost-effective and dependable lubrication solution



GASOLINE ENGINE OIL





GENERAL CHARACTERISTICS

- Superior cold-start flow and fast oil circulation
- Designed for modern high-efficiency gasoline engines
- Enhanced protection against LSPI and timing-chain wear
- Advanced oxidation resistance for high-temperature operation

DESCRIPTION

0W-8 is a High-performance, fully synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	0w-8
Density at 15°C	g/cm³	ASTM D4052	0.845
Kinematic viscosity at 100°C	cSt	ASTM D445	5.14
Kinematic viscosity at 40°C	cSt	ASTM D445	25.0
Viscosity index	—	ASTM D2270	140
Pour Point	°C	ASTM D97	-45
Flash Point	°C	ASTM D92	228
Total Base Number (TBN)	mg KOH/g	ASTM D2896	7



GENERAL CHARACTERISTICS

- Superior cold-start flow and fast oil circulation
- Designed for modern high-efficiency gasoline engines
- Enhanced protection against LSPI and timing-chain wear
- Advanced oxidation resistance for high-temperature operation

DESCRIPTION

0W-16 is a High-performance, fully synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	0w-16
Density at 15°C	g/ml	ASTM D4052	0.84
Viscosity at 100°C	cSt	ASTM D445	7.9
Viscosity at 40°C	cSt	ASTM D445	40
Cold Crank Simulator	mPa.s	ASTM D5293	4300(-35°C)
Viscosity Index	-	ASTM D2270	172
Pour Point	°C	ASTM D97	-42
Flash Point	°C	ASTM D93	205
Ash, Sulphated	% wt	ASTM D874	0.86



GENERAL CHARACTERISTICS

· Reliable cold-start flow and consistent oil circulation
· Strong protection against engine wear and LSPI
· Good thermal and oxidation stability at high operating temperatures
· Maintains engine cleanliness and supports long-term durability

DESCRIPTION

0W-20 is a High-performance, fully synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	0w-20
Density at 15°C	kg/l	ASTM D1298	0.850
Viscosity at 40°C	cSt	ASTM D445	40
Viscosity at 100°C	cSt	ASTM D445	7.5
Viscosity Index (min)		ASTM D2270	158
Cold Crank Simulator	cP	ASTM D5293	≤6200(-35°C)
HTHS Viscosity 150°C	mPa.s	ASTM D4683	2.70
Pour Point	°C	ASTM D97	-45
Flash Point	°C	ASTM D92	230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	9



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation
· Strong protection against engine wear and deposits
· Good thermal and oxidation stability under high temperatures
· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

0W-30 is a High-performance, fully synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	0w-30
Density at 15°C	kg/l	ASTM D1298	0.846
Kinematic viscosity at 100°C	cSt	ASTM D445	12.2
Kinematic viscosity at 40°C	cSt	ASTM D445	67.8
Viscosity index	—	ASTM D2270	165
Cold Crank Simulator	cp	ASTM D5293	⩽ 6200(-35°C)
HTHS Viscosity 150°C	mPa.s	–	3.5
Pour Point	°C	ASTM D97	-45
Flash Point	°C	ASTM D92	250
Total Base Number (TBN)	mg KOH/g	ASTM D2896	8



GENERAL CHARACTERISTICS

· Reliable cold-start performance and rapid oil circulation
· Enhanced protection against engine wear, deposits, and LSPI
· Excellent thermal and oxidation stability at high temperatures
· Maintains engine cleanliness and supports long-term durability

DESCRIPTION

0W-30 is a High-performance, fully synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	0w-30
Density at 15°C	kg/l	ASTM D1298	0.846
Kinematic viscosity at 100°C	cSt	ASTM D445	12.2
Kinematic viscosity at 40°C	cSt	ASTM D445	67.8
Viscosity index	—	ASTM D2270	165
Cold Crank Simulator	cp	ASTM D5293	6200(-35°C)
HTHS Viscosity 150°C	mPa.s	–	3.5
Pour Point	°C	ASTM D97	-45
Flash Point	°C	ASTM D92	250
Total Base Number (TBN)	mg KOH/g	ASTM D2896	8



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation
· Enhanced protection against engine wear and LSPI
· Excellent thermal and oxidation stability at high temperatures
· Maintains engine cleanliness and supports long-term durability

DESCRIPTION

0W-40 is a High-performance, fully synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	0w-40
Density at 15°C	kg/l	ASTM D1298	0.847
Viscosity at 40°C	cSt	ASTM D445	75
Viscosity at 100°C	cSt	ASTM D445	13
Viscosity Index (min)		ASTM D2270	176
Cold Crank Simulator	cP	ASTM D5293	<6200(-35°C)
Pour Point	°C	ASTM D97	-45
Flash Point	°C	ASTM D92	>230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	9



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation
· Enhanced protection against engine wear and LSPI
· Excellent thermal and oxidation stability at high temperatures
· Maintains engine cleanliness and supports long-term durability

DESCRIPTION

0W-40 is a High-performance, fully synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	0w-40
Density at 15°C	kg/l	ASTM D1298	0.855
Kinematic viscosity at 100°C	cSt	ASTM D445	14.4
Kinematic viscosity at 40°C	cSt	ASTM D445	84.5
Viscosity index	—	ASTM D2270	170
Cold Crank Simulator	cp	ASTM D5293	⩽ 6200(-35°C)
HTHS Viscosity 150°C	mPa.s	–	3.8
Pour Point	°C	ASTM D97	-39
Flash Point	°C	ASTM D92	220
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation
· Enhanced protection against engine wear and LSPI
· Excellent thermal and oxidation stability at high temperatures
· Maintains engine cleanliness and supports long-term durability

DESCRIPTION

5W-20 is a High-performance, fully synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	5w-20
Density at 15°C	kg/l	ASTM D1298	0.850
Viscosity at 40°C	cSt	ASTM D445	36
Viscosity at 100°C	cSt	ASTM D445	6.5
Viscosity Index (min)		ASTM D2270	⩾140
Cold Crank Simulator	cP	ASTM D5293	⩽ 6200(-35°C)
Pour Point	°C	ASTM D97	-36
Flash Point	°C	ASTM D92	>230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	9



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

5W-20 is a High-performance engine oil formulated for gasoline engines.Its balanced viscosity ensures strong lubrication under high temperatures while maintaining reliable flow during cold starts. Designed to provide robust wear protection, oxidation resistance, and engine cleanliness, it is suitable for passenger cars, SUVs.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	5w-20
Density at 15°C	kg/l	ASTM D1298	0.850
Viscosity at 40°C	cSt	ASTM D445	36
Viscosity at 100°C	cSt	ASTM D445	6.5
Viscosity Index (min)		ASTM D2270	≥140
Cold Crank Simulator	cP	ASTM D5293	≤ 6600(-35°C)
Pour Point	°C	ASTM D97	-36
Flash Point	°C	ASTM D92	>230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	9



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Enhanced protection against engine wear and LSPI

· Excellent thermal and oxidation stability at high temperatures

· Maintains engine cleanliness and supports long-term durability

DESCRIPTION

5W-30 synthetic engine oil for modern petrol vehicles, including turbocharged and DPF-equipped engines. Keeps engines clean, reduces wear, improves fuel efficiency, and protects emission systems under all driving conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	5w-30
Density at 15°C	kg/l	ASTM D1298	0.854
Viscosity at 40°C	cSt	ASTM D445	60
Viscosity at 100°C	cSt	ASTM D445	10.5
Viscosity Index (min)		ASTM D2270	≥150
Cold Crank Simulator	cP	ASTM D5293	≤ 6600(-30°C)
Pour Point	°C	ASTM D97	-36
Flash Point	°C	ASTM D92	230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	9



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

5W-30 is a High-performance engine oil formulated for gasoline and light diesel engines.Its balanced viscosity ensures strong lubrication under high temperatures while maintaining reliable flow during cold starts. Designed to provide robust wear protection, oxidation resistance, and engine cleanliness, it is suitable for passenger cars, SUVs, and light commercial vehicles equipped with naturally aspirated or turbocharged engines. Ideal for everyday driving as well as demanding operating conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	5w-30
Density at 15°C	kg/l	ASTM D1298	0.855
Viscosity at 40°C	cSt	ASTM D445	52
Viscosity at 100°C	cSt	ASTM D445	10
Viscosity Index (min)		ASTM D2270	160 min
Cold Crank Simulator	cP	ASTM D5293	5800(-30°C)
Pour Point	°C	ASTM D97	-39
Flash Point	°C	ASTM D92	>230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Enhanced protection against engine wear and LSPI

· Excellent thermal and oxidation stability at high temperatures

· Maintains engine cleanliness and supports long-term durability

DESCRIPTION

5W-40 is a High-performance, synthetic engine oil designed for modern gasoline engines. It delivers excellent protection in all seasons and under both high and low temperature conditions, ensuring quick starts and stable lubrication at high operating temperatures. Suitable for passenger cars and SUVs equipped with turbocharged, multi-valve, or direct injection engines.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	5w-40
Density at 15°C	kg/l	ASTM D1298	0.855
Kinematic viscosity at 100°C	cSt	ASTM D445	14.5
Kinematic viscosity at 40°C	cSt	ASTM D445	90
Viscosity index	–	ASTM D2270	170
Cold Crank Simulator	cP	ASTM D5293	⩽ 6600(-30°C)
HTHS Viscosity 150°C	mPa.s	–	3.5
Pour Point	°C	ASTM D97	-39
Flash Point	°C	ASTM D92	230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	8



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

5W-40 is a High-performance engine oil formulated for gasoline and light diesel engines .Its balanced viscosity ensures strong lubrication under high temperatures while maintaining reliable flow during cold starts. Designed to provide robust wear protection, oxidation resistance, and engine cleanliness, it is suitable for passenger cars, SUVs, and light commercial vehicles equipped with naturally aspirated or turbocharged engines. Ideal for everyday driving as well as demanding operating conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	5w-40
Density at 15°C	kg/l	ASTM D1298	0.855
Kinematic viscosity at 100°C	cSt	ASTM D445	14.5
Kinematic viscosity at 40°C	cSt	ASTM D445	90
Viscosity index	–	ASTM D2270	⩾170
Cold Crank Simulator	cP	ASTM D5293	⩽ 6600(-30°C)
HTHS Viscosity 150°C	mPa.s	–	3.5
Pour Point	°C	ASTM D97	-39
Flash Point	°C	ASTM D92	>230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

10W-30 is a High-performance engine oil formulated for gasoline and light diesel engines .Its balanced viscosity ensures strong lubrication under high temperatures while maintaining reliable flow during cold starts. Designed to provide robust wear protection, oxidation resistance, and engine cleanliness, it is suitable for passenger cars, SUVs, and light commercial vehicles equipped with naturally aspirated or turbocharged engines. Ideal for everyday driving as well as demanding operating conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	10w-30
Density at 15°C	kg/l	ASTM D1298	0.870
Viscosity at 40°C	cSt	ASTM D445	69
Viscosity at 100°C	cSt	ASTM D445	10.5
Viscosity Index (min)		ASTM D2270	143
Cold Crank Simulator	cP	ASTM D5293	⩽ 7200(-25°C)
Pour Point	°C	ASTM D97	-33
Flash Point	°C	ASTM D92	>230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	9



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

10W-40 is a High-performance engine oil formulated for gasoline and light diesel engines .Its balanced viscosity ensures strong lubrication under high temperatures while maintaining reliable flow during cold starts. Designed to provide robust wear protection, oxidation resistance, and engine cleanliness, it is suitable for passenger cars, SUVs, and light commercial vehicles equipped with naturally aspirated or turbocharged engines. Ideal for everyday driving as well as demanding operating conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	10w-40
Density at 15°C	kg/l	ASTM D1298	0.874
Viscosity at 40°C	cSt	ASTM D445	97
Viscosity at 100°C	cSt	ASTM D445	14.5
Viscosity Index (min)		ASTM D2270	160
Cold Crank Simulator	cP	ASTM D5293	⩽ 7000(-25°C)
Pour Point	°C	ASTM D97	-39
Flash Point	°C	ASTM D92	230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

10W-40 All-season engine oil designed for petrol engines while also suitable for light and medium-duty diesel engines. Its advanced formulation provides superior lubrication and protection under high temperatures and extended operating periods. Engineered to reduce wear, resist oxidation, and maintain engine cleanliness, it ensures reliable performance and long-lasting engine life. Ideal for passenger cars, SUVs, and light commercial vehicles requiring strong, dependable protection.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	10w-40
Density at 15°C	kg/l	ASTM D1298	0.874
Viscosity at 40°C	cSt	ASTM D445	97
Viscosity at 100°C	cSt	ASTM D445	14.5
Viscosity Index (min)		ASTM D2270	160
Cold Crank Simulator	cP	ASTM D5293	<7000(-25°C)
Pour Point	°C	ASTM D97	-25
Flash Point	°C	ASTM D92	230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

15W-40 is a High-performance engine oil formulated for gasoline and light diesel engines .Its balanced viscosity ensures strong lubrication under high temperatures while maintaining reliable flow during cold starts. Designed to provide robust wear protection, oxidation resistance, and engine cleanliness, it is suitable for passenger cars, SUVs, and light commercial vehicles equipped with naturally aspirated or turbocharged engines. Ideal for everyday driving as well as demanding operating conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	15w-40
Density at 15°C	kg/l	ASTM D1298	0.889
Viscosity at 40°C	cSt	ASTM D445	122
Viscosity at 100°C	cSt	ASTM D445	15.8
Viscosity Index (min)		ASTM D2270	135
Cold Crank Simulator	cP	ASTM D5293	<7000(-20°C)
Pour Point	°C	ASTM D97	-30
Flash Point	°C	ASTM D92	>230
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10



GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

20W-50 All-season engine oil designed for petrol engines while also suitable for light and medium-duty diesel engines. Its advanced formulation provides superior lubrication and protection under high temperatures and extended operating periods. Engineered to reduce wear, resist oxidation, and maintain engine cleanliness, it ensures reliable performance and long-lasting engine life. Ideal for passenger cars, SUVs, and light commercial vehicles requiring strong, dependable protection.

RECOMMENDATIONS

Honda, Toyota, Nissan, Mazda, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	20w-50
Density at 15°C	kg/l	ASTM D1298	0.890
Viscosity at 40°C	cSt	ASTM D445	160
Viscosity at 100°C	cSt	ASTM D445	18.5
Viscosity Index (min)		ASTM D2270	132
Cold Crank Simulator	cP	ASTM D5293	<9500(-15°C)
Pour Point	°C	ASTM D97	-27
Flash Point	°C	ASTM D92	235
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10





GENERAL CHARACTERISTICS

· Reliable cold-start performance and smooth oil circulation

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability under high temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

20W-50 All-season engine oil designed for petrol engines while also suitable for light and medium-duty diesel engines. Its advanced formulation provides superior lubrication and protection under high temperatures and extended operating periods. Engineered to reduce wear, resist oxidation, and maintain engine cleanliness, it ensures reliable performance and long-lasting engine life. Ideal for passenger cars, SUVs, and light commercial vehicles requiring strong, dependable protection.

RECOMMENDATIONS

Honda, Toyota, Nissan, Mazda, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	20w-50
Density at 15°C	kg/l	ASTM D1298	0.890
Viscosity at 40°C	cSt	ASTM D445	160
Viscosity at 100°C	cSt	ASTM D445	18.5
Viscosity Index (min)		ASTM D2270	132
Cold Crank Simulator	cP	ASTM D5293	≤9500(-15°C)
Pour Point	°C	ASTM D97	-27
Flash Point	°C	ASTM D92	235
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10

DIESEL ENGINE OIL





GENERAL CHARACTERISTICS

· Reliable cold-start performance and stable oil circulation in diesel engines

· Strong protection against wear, soot, and deposit formation

· Excellent thermal and oxidation stability under heavy-duty operation

· Maintains engine cleanliness and supports long engine and aftertreatment life

DESCRIPTION

5W-30 is a multi-purpose engine oil suitable for modern diesel and gasoline engines. It is used in heavy-duty trucks, buses, construction and agricultural equipment, and mixed fleets, providing protection for engines with advanced emission systems. This viscosity grade supports easy cold starts, reduced wear, and improved fuel efficiency across varied operating conditions.

RECOMMENDATIONS

Isuzu, Hino, Mitsubishi, Mercedes, Volvo, Mack, MAN, Scania, Hyundai, Toyota, Land Rover, GMC, Ford, BMW, Audi, Chevrolet, Nissan, Jeep, Kia, Renault.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	5w-30
Density at 15°C	kg/l	ASTM D1298	0.855
Viscosity at 40°C	cSt	ASTM D445	60
Viscosity at 100°C	cSt	ASTM D445	10.5
Viscosity Index (min)		ASTM D2270	150
Cold Crank Simulator	cP	ASTM D5293	<6600(-30°C)
Pour Point	°C	ASTM D97	-40
Flash Point	°C	ASTM D92	230
Total Base Number (TBN)	KOH/g	ASTM D2896	10



GENERAL CHARACTERISTICS

· Reliable performance under high-temperature and heavy-load conditions

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability at elevated temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

10W-40 is a High-performance engine oil formulated for diesel engines. Its advanced viscosity ensures strong lubrication under high temperatures, providing excellent wear protection, oxidation resistance, and engine cleanliness. Suitable for heavy-duty trucks, light commercial vehicles, SUVs. it delivers reliable performance under everyday driving as well as demanding operating conditions.

RECOMMENDATIONS

Isuzu, Hino, Mitsubishi, Mercedes, Volvo, Mack, MAN, Scania, Hyundai, Toyota, Land Rover, GMC, Ford, BMW, Audi, Chevrolet, Nissan, Jeep, Kia, Renault.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	10w-40
Density at 15°C	kg/l	ASTM D1298	0.866
Viscosity at 40°C	cSt	ASTM D445	89
Viscosity at 100°C	cSt	ASTM D445	13.5
Viscosity Index (min)		ASTM D2270	150
Cold Crank Simulator	cP	ASTM D5293	⩽ 7000(-25°C)
Pour Point	°C	ASTM D97	-36
Flash Point	°C	ASTM D92	225
Total Base Number (TBN)	mg KOH/g	ASTM D2896	Min 12



GENERAL CHARACTERISTICS

· Reliable performance under high-temperature and heavy-load conditions
· Strong protection against engine wear and deposits
· Good thermal and oxidation stability at elevated temperatures
· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

15W-40 is a High-performance engine oil formulated for diesel engines. Its provides strong lubrication at high temperatures, delivering excellent wear protection, oxidation resistance, and engine cleanliness. Suitable for heavy-duty trucks, light commercial vehicles, and SUVs, it ensures reliable performance under everyday driving as well as demanding operating conditions.

RECOMMENDATIONS

Isuzu, Hino, Mitsubishi, Mercedes, Volvo, Mack, MAN, Scania, Hyundai, Toyota, Land Rover, GMC, Ford, BMW, Audi, Chevrolet, Nissan, Jeep, Kia, Renault.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	15w-40
Density at 15°C	kg/l	ASTM D1298	0.875
Viscosity at 40°C	cSt	ASTM D445	120
Viscosity at 100°C	cSt	ASTM D445	15.7
Viscosity Index (min)		ASTM D2270	140
Cold Crank Simulator	cP	ASTM D5293	⩽ 7000(-20°C)
Pour Point	°C	ASTM D97	-34
Flash Point	°C	ASTM D92	220
Total Base Number (TBN)	mg KOH/g	ASTM D2896	Min 12



GENERAL CHARACTERISTICS

· Reliable performance under high-temperature and heavy-load conditions
· Strong protection against engine wear and deposits
· Good thermal and oxidation stability at elevated temperatures
· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

20w-50 All-season mineral engine oil designed for diesel and gasolineengines. Specially formulated to provide superior lubrication and protectionunder high temperatures and severe operating conditions. Ensures reliableperformance, reduced wear, and extended engine life.

RECOMMENDATIONS

Isuzu, Hino, Mitsubishi, Mercedes, Volvo, Mack, MAN, Scania, Hyundai, Toyota, Land Rover, GMC, Ford, BMW, Audi, Chevrolet, Nissan, Jeep, Kia, Renault.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	20w-50
Density at 15°C	kg/l	ASTM D1298	0.885
Viscosity at 40°C	cSt	ASTM D445	165
Viscosity at 100°C	cSt	ASTM D445	19.5
Viscosity Index (min)		ASTM D2270	125
Cold Crank Simulator	cP	ASTM D5293	9500(-15°C)
Pour Point	°C	ASTM D97	-25
Flash Point	°C	ASTM D92	220
Total Base Number (TBN)	mg KOH/g	ASTM D2896	10



GENERAL CHARACTERISTICS

· Reliable performance under high-temperature and heavy-load conditions

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability at elevated temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

SAE 40 is a high-viscosity engine oil formulated primarily for older diesel engines while also suitable for gasoline engines. It provides reliable lubrication, wear protection, and oxidation resistance under high temperatures. Recommended for use in trucks, light commercial vehicles, agricultural machinery, and construction equipment requiring a CF/SF grade oil.

RECOMMENDATIONS

Isuzu, Hino, Mitsubishi, Volvo, Mack, MAN, Scania, Hyundai, Toyota, Nissan, Jeep, Kia, Renault.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	SAE 40
Density at 15°C	kg/l	ASTM D1298	0.901
Viscosity at 40°C	cSt	ASTM D445	140
Viscosity at 100°C	cSt	ASTM D445	14.5
Viscosity Index (min)		ASTM D2270	103
Cold Crank Simulator	cP	ASTM D5293	-
Pour Point	°C	ASTM D97	-20
Flash Point	°C	ASTM D92	>220
Total Base Number (TBN)	mg KOH/g	ASTM D2896	12



GENERAL CHARACTERISTICS

· Reliable performance under high-temperature and heavy-load conditions

· Strong protection against engine wear and deposits

· Good thermal and oxidation stability at elevated temperatures

· Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

SAE 50 is suitable for older-generation diesel and gasoline engines operating in high-temperature environments. Its stable viscosity provides reliable lubrication for engines working under heavy loads and extended running periods. Recommended for use in commercial vehicles and other equipment requiring an SAE 50 grade oil meeting SF/CF performance levels, it delivers consistent protection and strong film strength in hot climates.

RECOMMENDATIONS

Isuzu, Hino, Mitsubishi, Volvo, Mack, MAN, Scania, Hyundai, Toyota, Nissan, Jeep, Kia, Renault.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	SAE 50
Density at 15°C	kg/l	ASTM D1298	0.905
Viscosity at 40°C	cSt	ASTM D445	205
Viscosity at 100°C	cSt	ASTM D445	19.5
Viscosity Index (min)		ASTM D2270	105
Cold Crank Simulator	cP	ASTM D5293	-
Pour Point	°C	ASTM D97	-20
Flash Point	°C	ASTM D92	>220
Total Base Number (TBN)	mg KOH/g	ASTM D2896	12



GENERAL CHARACTERISTICS

- Reliable performance under high-temperature and heavy-load conditions
- Strong protection against engine wear and deposits
- Good thermal and oxidation stability at elevated temperatures
- Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

SAE 60 is suitable for older-generation diesel and gasoline engines operating in high-temperature environments. Its stable viscosity provides reliable lubrication for engines working under heavy loads and extended running periods. Recommended for use in commercial vehicles and other equipment requiring an SAE 50 grade oil meeting SF/CF performance levels, it delivers consistent protection and strong film strength in hot climates.

RECOMMENDATIONS

Isuzu, Hino, Mitsubishi, Volvo, Mack, MAN, Scania, Hyundai, Toyota, Nissan, Jeep, Kia, Renault.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	SAE 60
Density at 15°C	kg/l	ASTM D1298	0.915
Viscosity at 40°C	cSt	ASTM D445	285
Viscosity at 100°C	cSt	ASTM D445	24.5
Viscosity Index (min)		ASTM D2270	100
Cold Crank Simulator	cP	ASTM D5293	-
Pour Point	°C	ASTM D97	-20
Flash Point	°C	ASTM D92	>240
Total Base Number (TBN)	mg KOH/g	ASTM D2896	12



GENERAL CHARACTERISTICS

- Reliable performance under high-temperature and heavy-load conditions
- Strong protection against engine wear and deposits
- Good thermal and oxidation stability at elevated temperatures
- Maintains engine cleanliness and supports long-term engine durability

DESCRIPTION

SAE 70 is suitable for older-generation diesel and gasoline engines operating in high-temperature environments. Its stable viscosity provides reliable lubrication for engines working under heavy loads and extended running periods. Recommended for use in commercial vehicles and other equipment requiring an SAE 50 grade oil meeting CF/SF performance levels, it delivers consistent protection and strong film strength in hot climates.

RECOMMENDATIONS

Isuzu, Hino, Mitsubishi, Volvo, Mack, MAN, Scania, Hyundai, Toyota, Nissan, Jeep, Kia, Renault.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	SAE 70
Density at 15°C	kg/l	ASTM D1298	0.915
Viscosity at 40°C	cSt	ASTM D445	285
Viscosity at 100°C	cSt	ASTM D445	24.5
Viscosity Index (min)		ASTM D2270	100
Cold Crank Simulator	cP	ASTM D5293	-
Pour Point	°C	ASTM D97	-20
Flash Point	°C	ASTM D92	>240
Total Base Number (TBN)	mg KOH/g	ASTM D2896	12

MANUAL GEAR OIL





GENERAL CHARACTERISTICS

· Smooth and efficient gear operation
· Strong protection against wear, corrosion, and extreme pressure
· Good thermal and oxidation stability
· Maintains gearbox cleanliness and durability

DESCRIPTION

High-performance lubricant designed for smooth and efficient gear operation. It provides strong protection against wear, corrosion, and extreme pressure, ensuring reliable gear performance. With good thermal and oxidation stability, it helps maintain gearbox cleanliness and extends component life. Suitable for manual transmissions and differentials, it delivers consistent performance under both normal and heavy-load conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	85w-90
Density at 15°C	kg/l	ASTM D1298	0.900
Kinematic viscosity at 40°C	cSt	ASTM D445	144
Kinematic viscosity at 100°C	cSt	ASTM D445	15.0
Viscosity index	—	ASTM D2270	105
Pour point	°C	ASTM D97	-30
Flash Point	°C	ASTM D92	210



GENERAL CHARACTERISTICS

· Smooth and efficient gear operation
· Strong protection against wear, corrosion, and extreme pressure
· Good thermal and oxidation stability
· Maintains gearbox cleanliness and durability

DESCRIPTION

High-performance lubricant designed for smooth and efficient gear operation. It provides strong protection against wear, corrosion, and extreme pressure, ensuring reliable gear performance. With good thermal and oxidation stability, it helps maintain gearbox cleanliness and extends component life. Suitable for manual transmissions and differentials, it delivers consistent performance under both normal and heavy-load conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	80w-90
Density at 15°C	kg/l	ASTM D1298	0.900
Kinematic viscosity at 40°C	cSt	ASTM D445	144
Kinematic viscosity at 100°C	cSt	ASTM D445	15.0
Viscosity index	—	ASTM D2270	105
Pour point	°C	ASTM D97	-30
Flash Point	°C	ASTM D92	210



GENERAL CHARACTERISTICS

· Smooth and efficient gear operation
· Strong protection against wear, corrosion, and extreme pressure
· Good thermal and oxidation stability
· Maintains gearbox cleanliness and durability

DESCRIPTION

High-performance lubricant designed for smooth and efficient gear operation. It provides strong protection against wear, corrosion, and extreme pressure, ensuring reliable gear performance. With good thermal and oxidation stability, it helps maintain gearbox cleanliness and extends component life. Suitable for manual transmissions and differentials, it delivers consistent performance under both normal and heavy-load conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	SAE 140
Density at 15°C	kg/l	ASTM D1298	0.90
Kinematic viscosity at 40°C	cSt	ASTM D445	443
Kinematic viscosity at 100°C	cSt	ASTM D445	29.6
Viscosity index	—	ASTM D2270	95
Pour point	°C	ASTM D97	-15
Flash Point	°C	ASTM D92	240



GENERAL CHARACTERISTICS

· Smooth and efficient gear operation
· Strong protection against wear, corrosion, and extreme pressure
· Good thermal and oxidation stability
· Maintains gearbox cleanliness and durability

DESCRIPTION

High-performance lubricant designed for smooth and efficient gear operation. It provides strong protection against wear, corrosion, and extreme pressure, ensuring reliable gear performance. With good thermal and oxidation stability, it helps maintain gearbox cleanliness and extends component life. Suitable for manual transmissions and differentials, it delivers consistent performance under both normal and heavy-load conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	SAE 90
Density at 15°C	kg/l	ASTM D1298	0.90
Kinematic viscosity at 40°C	cSt	ASTM D445	221
Kinematic viscosity at 100°C	cSt	ASTM D445	19.5
Viscosity index	—	ASTM D2270	100
Pour point	°C	ASTM D97	-21
Flash Point	°C	ASTM D92	236



GENERAL CHARACTERISTICS

· Smooth and efficient gear operation
· Strong protection against wear, corrosion, and extreme pressure
· Good thermal and oxidation stability
· Maintains gearbox cleanliness and durability

DESCRIPTION

High-performance lubricant designed for smooth and efficient gear operation. It provides strong protection against wear, corrosion, and extreme pressure, ensuring reliable gear performance. With good thermal and oxidation stability, it helps maintain gearbox cleanliness and extends component life. Suitable for manual transmissions and differentials, it delivers consistent performance under both normal and heavy-load conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	75w-85
Density at 15°C	kg/l	ASTM D1298	0.870
Kinematic viscosity at 40°C	cSt	ASTM D445	69.5
Kinematic viscosity at 100°C	cSt	ASTM D445	11.8
Viscosity index	—	ASTM D2270	165
Pour point	°C	ASTM D97	-43
Flash Point	°C	ASTM D92	210



GENERAL CHARACTERISTICS

· Smooth and efficient gear operation
· Strong protection against wear, corrosion, and extreme pressure
· Good thermal and oxidation stability
· Maintains gearbox cleanliness and durability

DESCRIPTION

High-performance lubricant designed for smooth and efficient gear operation. It provides strong protection against wear, corrosion, and extreme pressure, ensuring reliable gear performance. With good thermal and oxidation stability, it helps maintain gearbox cleanliness and extends component life. Suitable for manual transmissions and differentials, it delivers consistent performance under both normal and heavy-load conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	SAE 150
Density at 15°C	g/cm³	ASTM D4052	0.89
Kinematic viscosity at 40°C	cSt	ASTM D445	400
Kinematic viscosity at 100°C	cSt	ASTM D445	28.5
Viscosity index	—	ASTM D2270	98
Pour point	°C	ASTM D97	-10
Flash Point	°C	ASTM D92	230

GEAR OIL

SYN GEAR PRO 85W-140

MINERAL

API GL-5

FOR MANUAL GEAR



Offered In : 1L / 4L / 5L / 20L / 25L / 208L / IBC



GENERAL CHARACTERISTICS

· Smooth and efficient gear operation

· Strong protection against wear, corrosion, and extreme pressure

· Good thermal and oxidation stability

· Maintains gearbox cleanliness and durability

DESCRIPTION

High-performance lubricant designed for smooth and efficient gear operation. It provides strong protection against wear, corrosion, and extreme pressure, ensuring reliable gear performance. With good thermal and oxidation stability, it helps maintain gearbox cleanliness and extends component life. Suitable for manual transmissions and differentials, it delivers consistent performance under both normal and heavy-load conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	85w-140
Density at 15°C	kg/l	ASTM D1298	0.910
Kinematic viscosity at 40°C	cSt	ASTM D445	369
Kinematic viscosity at 100°C	cSt	ASTM D445	27.8
Viscosity index	—	ASTM D2270	100
Pour point	°C	ASTM D97	-18
Flash Point	°C	ASTM D92	210

AUTOMATIC TRANSMISSION FLUID





GENERAL CHARACTERISTICS

· Smooth and consistent gear shifting performance.

· Strong protection against wear, oxidation, and deposits.

· Good thermal stability under high operating temperatures.

· Maintains transmission cleanliness and durability.

DESCRIPTION

High-performance automatic transmission fluid designed for smooth and reliable operation. It provides excellent friction control for seamless shifting, along with strong protection against wear, oxidation, and deposits. With good thermal stability, it helps maintain transmission cleanliness and extends component life. Suitable for a wide range of automatic transmissions, it ensures consistent performance under both normal and demanding driving conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	Type-A
Density at 15°C	kg/l	ASTM D1298	0.863
Viscosity at 100°C	cSt	ASTM D445	7.5
Viscosity at 40°C	cSt	ASTM D445	35.2
Viscosity Index	–	ASTM D2270	⩾ 160
Brookfield Viscosity @-40 °C	cP	ASTM D2983	<50,000
Pour Point	°C	ASTM D97	-42
Flash Point	°C	ASTM D92	>185



GENERAL CHARACTERISTICS

· Smooth and consistent gear shifting performance.

· Strong protection against wear, oxidation, and deposits.

· Good thermal stability under high operating temperatures.

· Maintains transmission cleanliness and durability.

DESCRIPTION

High-performance automatic transmission fluid designed for smooth and reliable operation. It provides excellent friction control for seamless shifting, along with strong protection against wear, oxidation, and deposits. With good thermal stability, it helps maintain transmission cleanliness and extends component life. Suitable for a wide range of automatic transmissions, it ensures consistent performance under both normal and demanding driving conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	Dexron III
Density at 15°C	kg/l	ASTM D1298	0.84-0.87
Viscosity at 100°C	cSt	ASTM D445	6.7
Viscosity at 40°C	cSt	ASTM D445	30
Viscosity Index	–	ASTM D2270	185
Pour Point	°C	ASTM D97	-50
Flash Point	°C	ASTM D92	Min 185
Fire point	°C	ASTM D92	220
Brookfield viscosity at -10 °C	cP	ASTM D2983	700
Copper Strip Corrosion	–	ASTM D130	1b
Foaming	–	ASTM D892	0/0/0



GENERAL CHARACTERISTICS

· Smooth and consistent gear shifting performance.

· Strong protection against wear, oxidation, and deposits.

· Good thermal stability under high operating temperatures.

· Maintains transmission cleanliness and durability.

DESCRIPTION

High-performance automatic transmission fluid designed for smooth and reliable operation. It provides excellent friction control for seamless shifting, along with strong protection against wear, oxidation, and deposits. With good thermal stability, it helps maintain transmission cleanliness and extends component life. Suitable for a wide range of automatic transmissions, it ensures consistent performance under both normal and demanding driving conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	Dexron IV
Density at 15°C	kg/l	ASTM D1298	0.84-0.87
Viscosity at 100°C	cSt	ASTM D445	6.2
Viscosity at 40°C	cSt	ASTM D445	30
Viscosity Index	–	ASTM D2270	185
Pour Point	°C	ASTM D97	-50
Flash Point	°C	ASTM D92	Min 185
Fire point	°C	ASTM D92	220
Brookfield viscosity at -10 ˚C	cP	ASTM D2983	700
Copper Strip Corrosion	–	ASTM D130	1b
Foaming	–	ASTM D892	0/0/0



GENERAL CHARACTERISTICS

· Smooth and consistent gear shifting performance.

· Strong protection against wear, oxidation, and deposits.

· Good thermal stability under high operating temperatures.

· Maintains transmission cleanliness and durability.

DESCRIPTION

High-performance automatic transmission fluid designed for smooth and reliable operation. It provides excellent friction control for seamless shifting, along with strong protection against wear, oxidation, and deposits. With good thermal stability, it helps maintain transmission cleanliness and extends component life. Suitable for a wide range of automatic transmissions, it ensures consistent performance under both normal and demanding driving conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	Dexron VI
Density at 15°C	kg/l	ASTM D1298	0.84-0.87
Viscosity at 100°C	cSt	ASTM D445	5.83
Viscosity at 40°C	cSt	ASTM D445	29.5
Viscosity Index	–	ASTM D2270	Min 145
Pour Point	°C	ASTM D97	-50
Flash Point	°C	ASTM D92	Min 185
Fire point	°C	ASTM D92	220
Brookfield viscosity at -10 ˚C	cP	ASTM D2983	11,500
Copper Strip Corrosion	–	ASTM D130	1b
Foaming	–	ASTM D892	0/0/0

GEAR OIL

SYN GEAR PRO CVTF

SYNTHETIC

FOR AUTOMATIC GEAR



Offered In : 1L / 4L / 5L / 20L / 25L / 208L / IBC

GENERAL CHARACTERISTICS

· Smooth and consistent gear shifting performance.

· Strong protection against wear, oxidation, and deposits.

· Good thermal stability under high operating temperatures.

· Maintains transmission cleanliness and durability.

DESCRIPTION

High-performance automatic transmission fluid designed for smooth and reliable operation. It provides excellent friction control for seamless shifting, along with strong protection against wear, oxidation, and deposits. With good thermal stability, it helps maintain transmission cleanliness and extends component life. Suitable for a wide range of automatic transmissions, it ensures consistent performance under both normal and demanding driving conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Appearance	—	Visual	Clear
Density at 15°C	kg/l	ASTM D1298	0.848
Kinematic viscosity at 40°C	cSt	ASTM D445	34
Kinematic viscosity at 100°C	cSt	ASTM D445	7.5
Viscosity index	—	ASTM D2270	175
Brookfield Viscosity at -40 °C	cp	ASTM D2983	12,000
Pour Point	°C	ASTM D97	-42
Flash Point	°C	ASTM D92	210



COOLANTS

MINOC
MOTOR OIL
Cool Flow +

Coolant

ANTIFREEZE - PREMIXED COOLANT
PREVENTS RUST & CORROSION
READY TO USE

MINOC LUBRICANTS

5Le

BRITISH FORMULATION

COOLANT

COOL FLOW + READY TO USE

ANTIFREEZE

COOLANT



Offered In : 1L / 5L / 20L / 25L / 208L / IBC

GENERAL CHARACTERISTICS

· Reliable cooling under high-temperature and heavy-load conditions.

· Strong protection against corrosion, rust, and scale.

· Excellent thermal stability at elevated temperatures.

· Maintains system cleanliness for long-term durability.

DESCRIPTION

Anti Freeze Coolant is a High-performance concentrate for modern engines. It delivers efficient heat transfer and strong protection against corrosion, rust, and scale. With excellent thermal stability, it supports system cleanliness and long service life. Suitable for various vehicles, it requires dilution before use and ensures reliable performance in all conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Appearance	—	Visual	Royal Blue
Density at 15°C	g/cm³	ASTM D4052	1.065
Freezing Point	°C	ASTM D1177	-37
Boiling Point	°C	ASTM D1120	108
pH	—	ASTM D1287	8.1
Reserve Alkalinity	ml	ASTM D1121	8
Water Content	%	ASTM D1123	~50

COOLANT

COOL FLOW + PREMIXED

ANTIFREEZE

COOLANT



Offered In : 1L / 5L / 20L / 25L / 208L / IBC

GENERAL CHARACTERISTICS

· Reliable cooling under high-temperature and heavy-load conditions.

· Strong protection against corrosion, rust, and scale.

· Excellent thermal stability at elevated temperatures.

· Maintains system cleanliness for long-term durability.

DESCRIPTION

Anti Freeze Coolant is a ready-to-use, pre-mixed formula for convenient application. It provides efficient cooling and dependable protection against corrosion and deposits. With good thermal stability, it helps maintain system cleanliness and durability. Suitable for a wide range of vehicles, it requires no dilution and performs reliably in everyday and demanding conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Appearance	—	Visual	Light Pink
Density at 15°C	g/cm³	ASTM D4052	1.065
Freezing Point	°C	ASTM D1177	-37
Boiling Point	°C	ASTM D1120	108
pH	—	ASTM D1287	8.1
Reserve Alkalinity	ml	ASTM D1121	8
Water Content	%	ASTM D1123	~50

HYDRAULIC OIL





GENERAL CHARACTERISTICS

· Reliable performance under high-pressure and heavy-load conditions

· Strong protection against wear, corrosion, and system deposits

· Good thermal and oxidation stability at elevated temperatures

· Maintains system cleanliness and supports long-term equipment durability

DESCRIPTION

ISO VG 32 Hydraulic Oil is a low-viscosity, High-performance fluid designed for precision hydraulic systems operating under light to moderate loads. It provides excellent fluidity at low temperatures, smooth power transmission, strong anti-wear protection, and good oxidation stability. Suitable for high-speed hydraulic systems, air compressors, and precision machine tools, it ensures reliable performance, reduced friction, and efficient operation in cooler environments.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	ISO VG 32
Density at 15°C	kg/l	ASTM D1298	871
Kinematic viscosity at 40°C	mm2/s	ASTM D445	32
Kinematic viscosity at 100°C	mm2/s	ASTM D445	6.3
Viscosity index	—	ASTM D2270	152
Pour point	°C	ASTM D97	-48
Flash Point	°C	ASTM D92	178



GENERAL CHARACTERISTICS

· Reliable performance under high-pressure and heavy-load conditions

· Strong protection against wear, corrosion, and system deposits

· Good thermal and oxidation stability at elevated temperatures

· Maintains system cleanliness and supports long-term equipment durability

DESCRIPTION

ISO VG 46 Hydraulic Oil is a high-quality, medium-viscosity hydraulic fluid designed for general-purpose industrial and mobile hydraulic systems. It delivers excellent anti-wear protection, thermal stability, and oxidation resistance, ensuring smooth and efficient power transmission. Suitable for construction equipment, injection molding machines, hydraulic presses, and manufacturing machinery, it provides reliable performance under normal to moderately high operating temperatures and load conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	ISO VG 46
Density at 15°C	kg/l	ASTM D1298	879
Kinematic viscosity at 40°C	mm2/s	ASTM D445	46
Kinematic viscosity at 100°C	mm2/s	ASTM D445	8.1
Viscosity index	—	ASTM D2270	149
Pour point	°C	ASTM D97	-45
Flash Point	°C	ASTM D92	186

HYDRAULIC

HYDRO-MAXX ISO VG 68

MINERAL

FOR HYDRAULIC EQUIPMENT



Offered In : 5L / 20L / 25L / 208L / IBC

GENERAL CHARACTERISTICS

· Reliable performance under high-pressure and heavy-load conditions

· Strong protection against wear, corrosion, and system deposits

· Good thermal and oxidation stability at elevated temperatures

· Maintains system cleanliness and supports long-term equipment durability

DESCRIPTION

ISO VG 68 Hydraulic Oil is a high-viscosity, heavy-duty hydraulic fluid formulated for demanding industrial and high-load applications. It provides strong wear protection, excellent film strength, and superior thermal and oxidation stability to ensures reliable performance under elevated temperatures and continuous operation. Suitable for heavy machinery, gear-driven hydraulic systems, mining equipment, steel plants, and high-pressure industrial systems, it ensures consistent lubrication, reduced component wear, and long service life in severe working conditions.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	ISO VG 68
Density at 15°C	kg/l	ASTM D1298	882
Kinematic viscosity at 40°C	mm2/s	ASTM D445	68
Kinematic viscosity at 100°C	mm2/s	ASTM D445	11.0
Viscosity index	—	ASTM D2270	154
Pour point	°C	ASTM D97	-42
Flash Point	°C	ASTM D92	210



BRAKE FLUIDS





GENERAL CHARACTERISTICS

- Reliable braking performance under normal and demanding operating conditions
- High boiling-point performance helps resist vapor formation and brake fade
- Excellent low-temperature fluidity for responsive hydraulic operation
- Provides corrosion protection and compatibility with brake-system components

DESCRIPTION

DOT III is a premium fully synthetic brake fluid developed for hydraulic brake and clutch systems requiring DOT 3 performance. Its carefully balanced formulation provides dependable hydraulic response, good lubricity, and reliable braking performance across a wide range of operating temperatures. Suitable for passenger cars, SUVs, light commercial vehicles, motorcycles, and other vehicles equipped with hydraulic braking or clutch systems where DOT 3 brake fluid is specified by the vehicle manufacturer.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	DOT 3
Equilibrium Reflux Boiling Point	°C	FMSVV 116	205 max
Wet Equilibrium Reflux Boiling Point	°C	FMSVV 116	140 min
Kinematic viscosity at 100°C	mm2/s	ASTM D445	>1.5
pH	—	FMSVV 116	7.5-11.0
Specific Gravity 60°F	°F	ASTM D1298	1.07-1.15
Flash Point	°C	ASTM D92	130 min



GENERAL CHARACTERISTICS

- Reliable braking performance under normal and demanding operating conditions
- High boiling-point performance helps resist vapor formation and brake fade
- Excellent low-temperature fluidity for responsive hydraulic operation
- Provides corrosion protection and compatibility with brake-system components

DESCRIPTION

DOT IV is a premium fully synthetic brake fluid developed for hydraulic brake and clutch systems requiring DOT 4 performance. Its carefully balanced formulation provides dependable hydraulic response, good lubricity, and reliable braking performance across a wide range of operating temperatures. Suitable for passenger cars, SUVs, light commercial vehicles, motorcycles, and other vehicles equipped with hydraulic braking or clutch systems where DOT 4 brake fluid is specified by the vehicle manufacturer.

RECOMMENDATIONS

Toyota, Nissan, BMW, Mercedes, Land Rover, Ford, mazda, Chevrolet, Volvo, Audi, Volkswagen, Renault, Hyundai, Kia, Mitsubishi, Subaru, Suzuki, Daihatsu.

TYPICAL PROPERTIES

Test	Unit	Test method	Result
Grade	—	—	DOT 4
Equilibrium Reflux Boiling Point	°C	FMSVV 116	237 max
Wet Equilibrium Reflux Boiling Point	°C	FMSVV 116	150 min
Kinematic viscosity at 100°C	mm2/s	ASTM D445	>1.5
pH	—	FMSVV 116	7.5-11.5
Specific Gravity 60°F	°F	ASTM D1298	1.07-1.15
Flash Point	°C	ASTM D92	121 min

MINOC MOTOR OIL

UNLEASH PERFORMANCE WITH EVERY DROP

We create more than just **Engine Oil**. From the oil wells deep beneath the earth to cutting-edge refineries, we engineer trust, protection, and long-lasting performance for your cars, trucks, and heavy machinery. Every drop is developed in our high-tech facility using advanced formulations, strict laboratory testing, and global standardization, delivering the premium quality you can rely on.

MANUFACTURING EXCELLENCE

MINOC operates from a state-of-the-art manufacturing facility equipped with modern blending systems, automated packaging lines, and a comprehensive quality assurance laboratory. Our engineers ensure that each batch meets international standards with precise blending ratios, premium additives, & rigorous testing protocols.

DEALERSHIPS OPPORTUNITIES

MINOC welcomes distributors, wholesalers, and business partners from around the world to join our growing network. We offer exclusive opportunities with highly competitive pricing, flexible supply options, marketing support, & strong potential for business growth. Our commitment to partnership & sustainability ensures mutual success and long-term profitability.



CONTACT DETAILS

For partnerships, dealership inquiries, or product information, contact us today:

info@minoc.ae

www.minoc.ae