

LPG MOTOR

Engine oil (20W-20, 30) for LPG car & diesel passenger car

LPG vehicles have been mainly used for taxis, and as many as 300,000 units are on the road in Japan. In addition, LPG vehicles are expected to be more popular as alternative vehicles of diesel engine vehicles with the aim of reducing NOx, PM, etc. in exhaust gas in order to respond to global environmental problems today. **LPG MOTOR** is an engine oil with performance of SD/CC class that can be used for LPG cars and diesel passenger cars.

● Special Features

1. Good performance under severe operating conditions

LPG MOTOR can fully demonstrate engine performance even in continuous operation over a long period of time or in go-stop operation in cities, since it is formulated with high performance base oil and properly selected additives such as detergent-dispersant, antioxidant, anti-wear agent and anti-foaming agent etc.

2. Excellent anti-wear performance

LPG MOTOR with carefully selected anti-wear agents demonstrates excellent anti-wear performance and protects the engine.

3. Excellent thermal and oxidation stability

When the engine oil deteriorates due to oxidation, sludge and varnish are generated and adhere and deposit inside the engine. Therefore, it will be impossible to fully demonstrate the original performance of the engine.

LPG MOTOR prevents generation of sludge and varnish over long periods by formulating base oil and oxidation inhibitor excellent in thermal and oxidation stability.

4. Combined oil for LPG/diesel engines

LPG MOTOR is an SD/CC class engine oil that satisfies the performance required for both LPG vehicles and diesel passenger cars. By unifying the two types of engine oil into **LPG MOTOR**, inventory management is simplified and there is no fear of erroneous lubrication.

● Containers

200-liter drum, 20-liter pail can

● Typical properties of LPG MOTOR

SAE viscosity grade	20W-20	30
Color(ASTM)	L3.0	L3.0
Density, g/cm ³	0.882	0.893
Kinematic viscosity(40 °C), mm ² /s	57.3	91.9
(100 °C), mm ² /s	8.28	10.9
Viscosity index	115	102
CCS viscosity (-15 °C), mPa·s	2480	-
Flash point (COC), °C	240	258
Pour point, °C	-37.5	-17.5
Acid number, mgKOH/g	1.51	1.59
Base number (D664), mgKOH/g	8.02	8.12
Sulfated ash, mass%	1.1	1.2
Elements, P mass%	0.06	0.07

Note: the typical properties are subject to change without notice.
(April 2018)

● Applications

LPG cars and diesel passenger cars



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
Precautionary Statements:	
Prevention	<ul style="list-style-type: none">• Do not handle until all safety precautions have been read and understood.• Wear protective gloves/protective clothing/eye protection/face protection.• Do not allow the eyes to become exposed to the product. Do not swallow the product.• Wash hands thoroughly after handling.• Do not eat, drink or smoke when using this product.
Response	<ul style="list-style-type: none">• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.• IF ON SKIN: Wash with plenty of soap and water.
Storage	<ul style="list-style-type: none">• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.• Containers that have been opened must be tightly sealed.
Disposal	<ul style="list-style-type: none">• Dispose of contents/container in accordance with local/regional/national/international regulations.• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.