

# LPG MOTOR 10W-30

## 10W-30 multigrade engine oil for LPG vehicles and small CNG vehicles

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 10W-30**, which is formulated with high viscosity index base oil and carefully selected additives, is a multigrade engine oil developed for vehicles using LPG, CNG as fuel.

### ● Special Features

#### 1. Excellent long life

The long life property of engine oil is realized by lubricating various lubrication parts in the engine for a long time and protecting engine parts. Therefore, maintaining proper viscosity and additive performance for a long time are key factors. In order to realize this, **LPG MOTOR 10W-30** contains a high viscosity index base oil having excellent oxidation stability and carefully selected performance additives. This can be expected to realize long life.

#### 2. Excellent anti-wear performance and engine cleanliness

**LPG MOTOR 10W-30** can demonstrate excellent anti-wear performance and engine cleanliness by blending carefully selected additives in a well-balanced manner.

#### 3. Multigrade engine oil

By using a viscosity index improver having excellent viscosity-temperature characteristics, **LPG MOTOR 10W-30** exhibits good startability at low temperature and oil film retention at high temperature and high load. It is 10W-30 multigrade engine oil that can be used throughout the year. Since **LPG MOTOR 10W-30** has excellent viscosity-temperature characteristics, it can be expected to improve fuel economy compared with single grade oil of SAE 30.

#### ● Applications

LPG vehicles and small CNG vehicles

#### ● Containers

200-liter drums and 20-liter cans

### ● Typical Properties of LPG MOTOR 10W-30

Color (ASTM)		L3.0
Density	g/cm <sup>3</sup>	0.869
Viscosity (40°C )	mm <sup>2</sup> /s	65.11
Viscosity (100°C )	mm <sup>2</sup> /s	10.31
Viscosity Index		146
CCS Viscosity(-25°C)	mPa·s	4,850
Flash Point(COC)	°C	238
Pour Point	°C	-42.5
Acid Number	mgKOH/g	2.80
Base Number (ASTM D664)	mgKOH/g	7.45
Sulfated Ash	mass%	1.34

Note: The typical properties may be changed without notice. (April 2018)



## Handling Precautions

▼ Follow these precautions when handling this product.

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