

GAS ENGINE OIL HE 30

Long Life Low Ash Engine Oil for Large-sized Gas Engines

The total energy system (TES) with the gas engine is the system to supply electricity and power by the gas engine which uses city gas as fuel, and performs hot water supply and the air-conditioning in facilities using the exhaust heat. Gas engine oil used for this system is always exposed to the severe condition of the high temperature. **GAS ENGINE OIL HE 30** is a long-life, low-ash gas engine oil for large engines with a low viscosity (SAE 30) that contributes to high efficiency. It exhibits excellent anti-corrosion and anti-seizure performance due to our proprietary additive formulation technology. The product name "**HE**" stands for "High Efficiency."

● SPECIAL FEATURES

1. Excellent Bearing Wear Protection

GAS ENGINE OIL HE 30 exhibits excellent anti-corrosion and anti-seizure performance by adopting our proprietary additive formulation technology and optimizing metallic detergents, dispersants, and other components.

2. Outstanding Thermal & Oxidation Stability

In the case of a gas engine, the lubricant is deteriorated by the oxidation easily because it is exposed to high temperatures for a long time.

GAS ENGINE OIL HE 30 exhibits superior thermal and oxidation stability, allowing it to maintain excellent performance over long periods.

3. Reduction of Combustion Chamber Deposits

Gas engine oil can increase combustion chamber deposits if the amount of metallic detergent added is excessive. **GAS ENGINE OIL HE 30**, formulated with low-ash metallic detergents by adopting a new additive, results in less deposit adhesion to pistons and valves.

4. Contribution to High Efficiency Performance

GAS ENGINE OIL HE 30 is designed with a low viscosity of SAE 30, contributing to the high efficiency performance of actual engines. Concerns about the reliability performance due to the low viscosity of the oil are also addressed, as our previously mentioned additive technology ensures a very high level of reliability.

● OIL CHANGE INTERVAL

Please follow the engine manufacturer's instruction manual.

● CONTAINERS

Tank lorry and 200-liter drum

● TYPICAL PROPERTIES OF GAS ENGINE OIL HE 30

SAE viscosity grade		30
Color (ASTM)		L2.0
Density (15°C)	g/cm ³	0.849
Kinematic Viscosity (40°C)	mm ² /s	66.18
Kinematic Viscosity (100°C)	mm ² /s	10.19
Viscosity Index		140
Flash Point (COC)	°C	270
Pour Point	°C	-35.0
Acid Number (ASTM D664)	mgKOH/g	1.67
Base Number (ASTM D4739)	mgKOH/g	4.64
Base Number (ASTM D2896)	mgKOH/g	6.15
Sulfated Ash	mass%	0.59
Foaming (tendency-stability) Sequence II (94°C)	ml/ml	0/0

Note: The typical properties may be changed without notice.
(February 2024)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Additives
Hazard 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/doctor.• 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.