

GAS ENGINE OIL K(M) SERIES

Long life type low ash gas engine oil for medium and large 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 K(M) SERIES** is high performance low ash gas engine oil for medium and large size gas engines, which exhibits excellent anti-corrosion performance and anti-seizure performance by the adoption of the new additives.

Special Features

1. Excellent in anti-corrosion performance on bearings

The gas engine oil K (M) series demonstrates excellent anti-corrosion performance and antiseizure performance by adopting new additives and optimizing metallic detergents, dispersants etc.

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 K(M) SERIES is superior in thermal and oxidation stabilities and can maintain good performance for a long time.

3. Low combustion chamber deposit

Gas engine oil will increase the combustion chamber deposit if the added amount of metallic detergent is excessive. **GAS ENGINE OIL K(M) SERIES** has less deposit adhesion to pistons and valves, because it is formulated with low ash metallic detergents by adopting a new additive.

• Oil exchange period

Please follow the instruction manual of the engine manufacturer.

Containers

200-liter drums, 20-liter pail cans

Typical properties of GAS ENGINE OIL K(M) SERIES

SAE viscosity grade		K30(M)	K40(M)
Color (ASTM)		L2.5	L3.0
Density (15 °C)	g/ cm ³	0.855	0.868
Kinematic Viscosity (40 °C)	mm ² /s	63.45	103.6
(100 °C)	mm ² /s	10.43	13.86
Viscosity Index		153	135
Flash Point (COC)	°C	254	260
Pour Point	°C	-32.5	-30
Acid Number	mgKOH/g	1.45	1.58
Base Number (ASTM D664) mgKOH/g		3.54	3.59
Base Number (ASTM D2896) mgKOH/g		7.19	7.37
Sulfated Ash	mass%	0.51	0.51
Foaming Tendency tendency-stability			
Sequence II (94°C)	mL	10-nil	10 -nil

Note: The typical properties may be changed without notice. (March 2017)



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:	• Do not handle until all safety precautions have been read and understood.	
Prevention	• 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	• 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	• 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	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.	