

GAS HEAPOREX 30THLV

Exclusive long life oil for small gas heat pumps

Gas heat pumps are widely used for multiple packaged air conditioning unit system and small and medium-sized air conditioning systems from commercial use to home use which require free of maintenance for long term. Therefore, long life performance is also required for oil. **GAS HEAPOREX 30THLV** is a gas engine oil developed exclusively for small gas heat pumps, aiming to reduce the viscosity of GAS HEAPOREX 30TH. **GAS HEAPOREX 30THLV** demonstrates high performance for a long time, because it has excellent thermal and oxidation stability, detergency and anti-wear performance.

● Special Features

1. Long-life Type Oil

Lubricating oil is generally used in gas engines with harsh conditions such as high thermal load and high NOx concentration of blowby gas. **GAS HEAPOREX 30THLV** keeps excellent base number maintenance for a long time by ZP technology (*) and optimization of metallic detergents, and it prevents bearing corrosion wear.

(*) It is a technology to blend ZP (zinc dialkylphosphate) as an alternative to ZDTP (zinc dialkyldithiophosphate). ZP is a compound in which sulfur contained in ZDTP is replaced by oxygen. It suppresses the generation of sulfuric acid derived from sulfur, and prolongs the performance of additives (in order to prevent base number consumption of metallic detergent).

2. Excellent reliability performance

GAS HEAPOREX 30THLV reduces the flow resistance in the engine by lowering the viscosity and demonstrates excellent fuel efficiency.

In addition, by optimizing the additives, it exhibits excellent oxidation stability, detergency and anti-wear performance.

● Application

Each model of each GHP manufacturer that recommends the use of low-viscosity oil(5W-20)

● Oil exchange period

Please follow the instruction manual of the engine manufacturer.

● Containers

200-liter drums, 20-liter pail cans

● Typical properties of GAS HEAPOREX 30THLV

SAE viscosity grade	5W-20	
Color (ASTM)		L2.5
Density (15 °C)	g/ cm ³	0.8572
Kinematic Viscosity (40 °C)	mm ² /s	46.44
	(100 °C)	8.090
Viscosity Index		148
Flash Point (COC)	°C	236
Pour Point	°C	-45.0
Acid Number	mgKOH/g	2.93
Base Number (ASTM D664)	mgKOH/g	9.79
Sulfated Ash	mass%	1.26
Foaming Tendency tendency/stability	mL	
Sequence II (94°C)		0 /0
Rust prevention (distilled water,60°C ,24 h)		No rust

Note: The typical properties may be changed without notice.
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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.