

REFRIGERATION OIL FOR REFRIGERANT-HYDROCARBON (Propane, Propylene, etc)

## **BARREL FREEZE PAG Series**

BARREL FREEZE PAG Series are polyalkylene glycol-based refrigeration oil developed as a refrigeration oil for lower hydrocarbon refrigerants.

### 1. Features

- (1) Excellent thermal and oxidation stability.
- (2) High viscosity index, low pour point, and can be used over a wide temperature range, from low temperatures to high temperatures.
- (3) Suitable as lubricant for gas compressors as hydrocarbons have lower solubility and lower viscosity.
- (4) Excellent lubricity.

### 2. Typical properties

Property		BARREL FREEZE				
		PAG-46W	PAG-68W	PAG-80W	PAG-100W	PAG-130W
Density 15°C	g/cm <sup>3</sup>	1.04	1.04	1.05	1.05	1.05
Flash Point (COC)	°C	232	232	234	236	236
Pour Point	°C	-50.0	-47.5	-47.5	-47.5	-47.5
Kinematic Viscosity mm <sup>2</sup> /s	40°C	49.3	68.1	78.2	100	130
	100°C	10.6	14.2	15.9	19.4	25.1
Viscosity Index		212	218	218	218	228
Acid Number	mgKOH/g	0.01	0.01	0.01	0.01	0.01
Color (ASTM)		L0.5	L0.5	L0.5	L0.5	L0.5

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