

REFRIGERATION OIL FOR REFRIGERANT-HCFC(R-22)

## BARREL FREEZE S Series

- Synthetic lubricants based on enhanced alkyl benzene.
- This solves problems that cannot be solved by the existing mineral oils.
- This product has received endorsements from refrigerator manufacturers and compressor manufacturers, and has been rated high on quality.
- It can also be used as a lubricant for refrigerant-ammonia.

### 1. Features

(1) Excellent lubricity.

It has adequate viscosity and lubricity for bearing and for the other lubrication areas.

(2) Excellent low-temperature properties.

Low pour point and excellent compatibility with refrigerants.

(3) Excellent thermochemical stability.

It doesn't react with refrigerants at high temperatures and shows excellent stability.

### 2. Typical properties

Property		BARREL FREEZE					Test method
		26S	32S	38S	46S	68S	
Density	15°C g/cm <sup>3</sup>	0.866	0.868	0.869	0.870	0.872	JIS K2249-1
Flash Point (COC)	°C	208	220	224	230	240	JIS K2265-4
Pour Point	°C	-57.5	-55.0	-55.0	-50.0	-50.0	JIS K2269
Water	mg/kg (ppm)	15	15	15	15	15	JIS K2275-3
Kinematic Viscosity mm <sup>2</sup> /s	0°C	274	374	477	626	1,100	JIS K2283
	40°C	26.0	32.0	38.0	46.0	68.0	
	100°C	4.51	5.15	5.78	6.56	8.47	
Viscosity Index		75	84	89	91	93	JIS K2283
Acid Number	mgKOH/g	0.01	0.01	0.01	0.01	0.01	JIS K2501
Copper Strip Corrosion	100°C,3h	1	1	1	1	1	JIS K2513
Color (ASTM)		L0.5	L0.5	L1.0	L1.5	L1.5	JIS K2580
Dielectric Breakdown Voltage	2.5mm, kV	60	60	60	60	60	JIS C2101

BARREL FREEZE 68S is optional products.

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