



# Products Data Sheet

## **【SUNICE SL Series】**

### — Refrigeration Oil for HFC Refrigerant —

“Sunice SL-S” is formulated by Polyol Ester and special additives providing excellent lubricity with HFC Refrigerant, chemical/thermal stability and corrosion protection.

#### **I. Features**

##### **■ Excellent Low-Temperature Dependence**

“Sunice SL-S” series realize lower pour point, and higher compatibility with HFC Refrigerant such as R-134a, R-404A, R-410A & R-407C. Excellent Low-Temperature Dependence contributes for excellent lubricity in a refrigerating cycle of a compressor, and provides better corrosion protection.

##### **■ Outstanding Chemical-Stability**

Polyol Ester (POE), the major component of “Sunice SL-S” series, formulated with special additives brings outstanding chemical/thermal stability, and supports longer life of a compressor.

##### **■ Outstanding Durability**

Water contamination deteriorates the performance of refrigeration oils because POE is not miscible and compatible with water.

The special additives in “Sunice SL-S” series prevent water contamination in POE, and holds durability of the lubricants.

NOTE : Polyol Ester is a lubricant which has highly moisture adsorption. Please treat the products properly NOT to adsorb moisture in air as much as possible.

#### **II. Typical Properties**

	SUNICE SL-32S	SUNICE SL-68S
Viscosity, ( 40°C)    mm <sup>2</sup> /s	32.4	66.3
Viscosity, (100°C)    mm <sup>2</sup> /s	5.32	8.21
Color, (ASTM)	L0.5	L0.5
Flash Point, (COC)    °C	208	256
Pour Point, °C	-42.5	-37.5
Water, ppm	30	30
Total Acid No., mgKOH/g	0.01	0.01

### III. Utility

For a compressor of Refrigerator, Chiller, Show Case, Dehumidifier and Air-Conditioner

### IV. Application

#### 1. Refrigerant and the Lowest Temperature Range

Refrigerant	SL-32S	SL-68S
R-134a	○ (- 40°C )	○ (- 30°C )
R-410A	○ (- 30°C )	○ (- 10°C )
R-407C	○ (- 40°C )	○ (- 20°C )
R-404A	○ (- 60°C )	○ (- 60°C )
R-22	×	×

JAPAN SUN OIL COMPANY does NOT warrant the results indicated above.

: Please apply "Suniso GS" series for R-22 Refrigerant.

#### 2. Types of Compressor

Type of Compressor	SL-32S	SL-68S
Recipro	○	○
Rotary	×	○
Screw	○	○
Scroll	×	○

: Applicability might be changed depending on a condition of use.

### V. Package

200L Drum, 20L Pail, 6×4L Case, 10×1L Case

### VI. Notice

- Do NOT Contaminate moisture, dust and debris.
- Do NOT mix with any other types of oil.
- Store in cool dry place and away from sunlight.
- Keep away from flames, sparks or hot surfaces.
- Do NOT generate oil steam.
- Use chemical goggles to avoid contact with eyes
- Use protective gloves to avoid skin irritation.
- Do not ingest.

《 JAPAN SUN OIL COMPANY 》

EXPORT Trusty Kojimachi Bldg. 3-4 Kojimachi Chiyoda-ku Tokyo

102-0083 Japan

TEL : +81-3-3238-0235 FAX : +81-3-3237-1028

