



Refrigeration Oil with Patented Innovation

Sunice® AC46

Sunice® AC46 is an innovation in refrigeration oil created by JSO. Formulated with premium base oils based on JSO's patented technology. Applicable to Car Air Conditioning system with R134a and R1234yf refrigerants. It offers cost advantages over conventional synthetic refrigeration oils (POE or PAG) and ensures excellent lubricity and chemical stability as well as JSO's existing products.

APPLICATIONS

Applicable to the majority of currently used Car A/C system.

- Sunice® AC46 is the latest Car A/C refrigeration oil packed with the expertise JSO has accumulated in refrigeration oils.
- Applicable to compressors installed in **conventional cars (Belt-Driven type) and latest electronic vehicles (Electrically-Driven type)**.

ADVANTAGES

Provide outstanding lubricity and chemical stability

- Sunice® AC46 is compatible with both refrigerants **R134a** and **R1234yf**, which are currently used in Car A/C system.
- **Maintains the same level of stability** as the currently used POE and PAG refrigeration oils.
- **JSO's patented technology** delivers a **Cost Advantage** over existing synthetic oils.

Typical Properties

Analysis	Unit	AC46
ISO Viscosity Grade		46
Density, 15°C	g/cm ³	0.924
Kinematic Viscosity, 40°C	mm ² /s	41.2
Kinematic Viscosity, 100°C	mm ² /s	5.65
Color	ASTM	L1.0
Flash point, COC	°C	190
Pour Point	°C	-40.0
Acid Number	mgKOH/g	0.01
Water	ppm	20
Cu Corrosion	100°C x 3hrs	1a

Usage Recommendation

Classification		AC46
Car A/C Compressor Type	Swash Plate	✓
	Scroll	✓
	Vane	✗
	Belt-Driven	✓
	Electrically-Driven	✓

Sunice AC46 cannot be used for equipment requiring VG100 or higher.





Contact:

East Asia, Australia & New Zealand

Japan Sun Oil Company, Ltd.

Trusty Kojimachi Bldg., 3-4 Kojimachi,
Chiyoda-ku, Tokyo 102-0083 Japan
exp@sunoco.co.jp
www.sunoco.co.jp

South East Asia & India

SUNOCO (Thailand) Co., Ltd.

United Tower 15th Floor, 333/21
Sukhumvit Rd, Soi 55, North Klongton,
Wattana, Bangkok 10110 Thailand
exports@sunoco.co.th
www.sunoco.co.th

Sunice® is a registered trademark of Japan Sun Oil Company, Ltd.

