SUNISO™ GS

WORLD-LEADING REFRIGERATION FLUIDS



Introduction

SUNISO® GS lubricants are premium quality, highly-refined mineral refrigeration fluids designed to lubricate refrigeration and air-conditioning compressors using CFC and HCFC refrigerants. Suniso GS fluids are known for their low wax content, low pour point and high dielectric strength. For over 50 years, Suniso GS fluids have helped to ensure trouble-free operation and maximum service life with excellent chemical and thermal stability.

Applications

SUNISO GS lubricants are recommended for use in consumer and commercial refrigeration and air-conditioning systems charged with traditional and natural refrigerants. Suniso GS fluids are ideally suited for low-temperature systems where evaporator temperatures are as low as -42°C/-44°F. Suniso GS fluids are designed for use with CFC refrigerants (e.g. R-11, R-12, R-13, R-113, R-114, R-115) and HCFC refrigerants (e.g. R-21, R-22, R-123, R-124, R-141b, R-142b, R-502). They are also suitable for use with natural-type refrigerants, including ammonia (R-717), isobutane (R-600a) and propane (R-290).

FEATURES & BENEFITS

LOW WAX CONTENT & LOW POUR POINT

Excellent low-temperature performance with no wax deposits to plug the system.

HIGH DIELECTRIC STRENGTH/GOOD ELECTRICAL INSULATING PROPERTIES

Suitable for hermetically sealed compressors (electric motor and windings exposed to refrigerant and oil).

EXCELLENT CHEMICAL STABILITY

Does not react with refrigerant or metal components in the system, extending machine service life and reducing maintenance costs.

HIGH THERMAL STABILITY

Cleaner operation of the compressor with minimal deposits and failures due to valve sticking.

Typical Performance Data

Property	ASTM Method	3GS	4GS	5GS
Density @ 15°C, kg/L	D4052	0.910	0.916	0.920
Viscosity @ 40°C, cSt	D445	30	55	100
Viscosity @ 100°C, cSt	D445	4.4	5.9	8.4
Flash Point, °C / °F	D92	178 / 352	184 / 364	213 / 415
Pour Point, °C / °F	D97	-48 / -54	-42 / -44	-33 / -27
Floc Point, °C / °F	ASHRAE 86	-58 / -72	-54 / -66	-45 / -49
Dielectric Strength, kV	D877	37	40	38

The values quoted above are typical of normal production. They do not constitute a specification.



Committed to the disciplined operation of our business.
CERTIFIED
ISO 9001: 2015
ISO 14001: 2015
IAFT 16949: 2016

SUNISO™

Learn more about us: **sunisolubricants.com**

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