



Virginia Suniso® GS brand of naphthenic-based mineral oil has been the refrigeration industry standard for decades. More people in the U.S have put Suniso GS mineral oil in their refrigeration system than any other refrigeration oil. This is because of the high commitment to quality that all of the Suniso brand lubricants have been known for. This lubricant is excellent for use on CFC, HCFC and some non-fluorocarbon refrigerants including ammonia. Under low temperature applications, this lubricant retains much of its flow characteristics, and has an extremely low wax content to minimize separation. Suniso GS oil has a very low moisture content and will not contribute to the two major causes of compressor damage; sludge and acid.

Suniso GS refrigeration oil is available in 3 different viscosities to meet virtually any system requirements.



### CHARACTERISTICS:

- High chemical stability resists reactions with all components in a refrigeration system.
- Low wax content.
- Low moisture content.
- Low pour point prevents oil from congealing in refrigerant lines.
- High dielectric strength allows this refrigerant to be an excellent insulator between motor windings and the compressor body.
- High aniline point for safe use with dynamic seals.
- Excellent viscosity characteristics.

### USES:

Any system in which a premium mineral based lubricant would be desirable to help ensure proper lubrication of the compressor and system components.

### SUGGESTED INSTRUCTIONS FOR USE:

Due to the specific compressor manufacturer's requirements based on different system applications, consult the system manufacturer for their recommendations as to the correct quantity and viscosity of mineral oil for each system.

### CAUTIONARY NOTES:

- For professional use only.
- Eye and skin irritant. Avoid contact with skin, eyes and clothing.

Refer to MSD sheet for further information. MSD sheets are available at your local wholesaler or by calling Virginia KMP.

*the reliable source.*



**SPECIFICATIONS:**

Properties	Method*	Suniso 3GS	Suniso 4GS	Suniso 5GS
Viscosity, SUS/0°F	D341	18,000	92,000	184,000
Viscosity, SUS/100°F	D445/D2161	155	290	525
Viscosity, SUS/210°F	D445/D2161	40.9	46	55.3
Flash Point, COC, °F	D92	335	355	360
Pour Point, °F	D97	-40	-30	-10
Color	D1500	1	1	2.5
Specific Gravity @ 60°F	D4052	0.910	0.916	0.918
Total Acid No., mgKOH/g	D974	nil	nil	nil
Interfacial Tension, dynes/cm	D971	47	45	40
Water, ppm	D1533	25	25	25
Dielectric Strength, KV	D877	>30	>30	>30
Copper Strip, Class 212°F, 3 hr.	D130	1	1	1
Conradson Carbon, %	D189	trace	trace	0.01
Aniline Point, °F	D611	170	170	190
Refractive Index @ 20°C	D1747	1.486	1.502	1.504
Aromatics, %	D2007	28	38	36
Sealed Tube. % R-22, 14 day	ASHRAE 97	0.25	0.60	—

\* ASTM test method unless otherwise specified

**PACKAGE SIZES AVAILABLE:**

All viscosities are available in quart, 1, 5 and 55 gallon containers.

**NON-WARRANTY** - All data, statements and recommendations contained herein are based upon the best information available and are believed to be reliable. However, no warranty, either expressed or implied, is made concerning the application of this product since the customer's use cannot be controlled. Statements concerning the use of this product should not be construed as suggestions, recommendations or inducements that it be used in violation of patent rights or in violation of any applicable laws or regulations. Product improvement is a continuous process at Virginia KMP Corp., therefore, product specifications may change without notice. Please contact your VKMP representative or distributor to verify details.

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**Virginia KMP -- Your Reliable Source for Refrigeration Components, Cleaners, Lubricants, Sealants and Water Treatment**