

# SUNISO Refrigeration OILS Totorial

3GS, 3.5GS, 4GS, 4.5G, 5G  
OEM approved



## Product use

Recommended by most major equipment manufacturers and refined from especially selected naphthenic base oils. Highly stable, essentially wax free, thus providing excellent low temperature properties and assuring long trouble-free life. Suniso GS oils can be used in virtually any installation, regardless of compressor or evaporation temperature and are miscible with (H)CFC refrigerants and natural refrigerants.

Suniso GS oils can be applied in commercial as well as in residential refrigeration and air conditioning systems.



## Refrigerants

CFC	R11, R12, R13, R131b1, R113, R114, R500, R502, R503
HCFC	R22, R123, R124, R401a, R402a, R402b, R403b, R406a, R408a, R409a
Ammonia	R717
Isobutane	R600a
Propane	R290

## Properties

Suniso meets the performance requirements of leading OEMs for use in refrigeration system compressors where the manufacturer specifies a naphthenic mineral oil.

- Chemical stability to extend service life, reducing maintenance costs.
- Cleaner operation of the compressor with fewer deposits and failures due to valve sticking.
- Excellent low temperature performance with no wax deposits to plug the system.
- Approval by most major equipment manufacturers.

## Suniso characteristics

Our factory in Hemiksem is equipped with its own laboratory to conduct in-house tests during the complete production process.

### Typical analysis Suniso 3GS

Density at 15°C	0.914
Viscosity at 40°C	30 cSt
Viscosity at 100°C	4.4 cSt
Flash point	168°C

Pour point	-40 °C
Flock point	-54°C
Aniline point	74°C
Colour	1.0

## SUNISO SL RANGE

SL22, SL32, SL46, SL68, SL100, SL170, SL220  
Premium POE



## Product use

Suniso SL synthetic refrigeration oils are formulated with select polyol ester based stocks and additives, providing outstanding lubrication, stability and corrosion protection. Suniso SL oils are miscible with HFC refrigerants at extremely low temperatures.

Suitable for use in compressors of refrigeration and air conditioning systems, working on ozone friendly alternative coolants.



## Refrigerants

HFC	R23, R134a, R234fa, R404a, R407a, R407b, R407c, R410a, R507, R508
CFC	R11, R12, R13, R131b1, R113, R114, R500, R502, R503
HCFC	R22, R123, R124, R401a, R402a, R402b, R403b, R406a, R408a, R409a

## Properties

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- Chemical stability to extend service life, reducing maintenance costs.
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**Typical analysis Suniso SL22 ~ SL220**

	Density at 15°C	Viscosity at 40°C	Viscosity at 100°C	Viscosity index	Flash point	Pour point	
SL22	0.990	22.0 cSt	4.6 cSt	127	232°C	- 48°C	
SL32	0.980	32.0 cSt	5.8 cSt	125	235°C	- 48°C	
SL46	0.970	47.2 cSt	7.2 cSt	112	235°C	- 44°C	
SL68	0.960	70.1 cSt	9.1 cSt	105	252°C	- 36°C	
SL100	0.960	100 cSt	11.3 cSt	100	254°C	- 36°C	
SL170	0.990	170 cSt	17.2 cSt	109	260°C	- 24°C	
SL220	0.990	220 cSt	20.8 cSt	111	264°C	- 30°C	