



		Product name	ISO VG Grade	Density at 15 °C g/cm3	Viscosity 40 °C [mm2/s]	Viscosity 100 °C [mm2/s]	Pour point [°C]	Flash point (COC) [°C]	Description
 No.1 Mineral Ref Oil Brand <i>Sunice GS series is the same product previously marketed as the SUNISO GS series.</i> <i>Effective from 2026, only the product name has been changed.</i>	GS series is widely used in various applications. Good for CFC, HCFC and Natural refrigerants. GSD series has been enhanced antifoaming properties. It can be used in chillers, which have the problems with foaming phenomena at startup.	Sunice 3GS	32	0.909	29.5	4.3	-40	178	Sunice GS Series can be used in virtually any installation, regardless of compressor or evaporation temperature and are miscible with HCFC refrigerants and natural refrigerants, such as R22, R717, R600a and R290. Sunice GS is refined from specially selected naphthenic crude oils by special method assuring excellent lubricity and other properties. Sunice is approved by all major air-conditioner, refrigerator, freezer, car air-conditioner manufacturers in the world.
		Sunice 4GS	56	0.915	54.9	6.0	-35	188	
		Sunice 5GS	100	0.921	94.6	7.8	-27.5	208	
		Sunice 3GSD	32	0.910	29.5	4.4	-40	178	
		Sunice 4GSD	56	0.915	54.5	6.1	-35	182	
		Sunice 5GSD	100	0.925	96.5	8.1	-25	188	
		Sunice 4SA	56	0.902	53.9	6.7	-40	198	
		Sunice 4HT	56	0.855	54.3	8.2	-35	240	
 The Finest Synthetic Ref Oils Designed by JSO <i>Sunice SL series was formerly known as the SUNISO SL series.</i> <i>The brand name of our synthetic products was changed in 2017.</i>	Sunice SL series is designed specifically for use with HFC/HFO refrigerants, developed to meet the performance demands of the refrigeration industry.	Sunice SL-10S	10	0.928	10.1	2.5	below -50	182	Sunice SL series is synthetic refrigeration oils designed for using into refrigeration compressors for refrigerators, freezers, chillers and industrial refrigeration systems to be charged with HFC/HFO refrigerants. Especially having excellent miscibility and compatibility with HFC refrigerants such as R-134a, R404A, R407C, R410A, R507. Featuring the following characteristics: • Excellent Hydrolytic Stability • Remarkable Thermal Stability • Outstanding Lubricity • High Electrical Insulating Property
		Sunice SL-22S	22	0.951	22.5	4.1	below -50	212	
		Sunice SL-32S	32	0.956	32.3	5.1	-35	230	
		Sunice SL-46S	46	0.955	45.8	6.6	-42.5	228	
		Sunice SL-68S	68	0.960	66.6	8.2	-40	254	
		Sunice SL-100S	100	0.974	98.1	11.2	-35	234	
		Sunice SL-120T	120	0.971	115.8	12.2	-30	272	
		Sunice SL-170T	170	0.968	161.0	15.4	-30	280	
		Sunice SL-220T	220	0.976	216.0	19.0	-27.5	286	
		Sunice SL-320T	320	0.967	310.0	22.6	-15	298	
	POE for refrigerated vehicles with R134a/R404A/R410A	Sunice SL-68SP	68	0.963	64.9	8.1	-37.5	266	SL-68SP is developed to reduce wear on swash plate compressors exposed to high pressures.
	PAG for vehicle a/c with R134a & R1234yf	Sunice P46	46	1.012	46.3	9.0	-45	202	P46/PB100 is suitable for vehicle a/c using a belt-driven compressor.
	PAG for vehicle a/c with R134a	Sunice PB100	100	1.048	94.8	19.2	-42.5	246	P46/PB100 is not applicable to electric compressors used in a/c on HV and EV.

