	Refrigerant	App.	Compressor Series	Oil Type	Viscosity	Frascold Name	Oil Brand Product Name	Spare Part Code	Note
RECIPROCATING	HFO HFC R22	L M H	A-B-D-F-Q-S Two stage	POE	32 cSt	32POE	ERRECOM POE32 CPI_Emkarate RL32H		Standard oil charge
								T00SACD321 T00SACD325 T00SACD3223 T00SACD32200	*1 Litre Can* *5 Litres Can* *20 Litres Pail* *200 Litres Drum*
			V-Z-W Open C6	POE	68 cSt	68POE	ERRECOM POE68 CPI_Emkarate RL68H		Standard oil charge
								T00SACD681 T00SACD685 T00SACD6820	*1 Litre Can* *5 Litres Can* *20 Litres Pail*
	R22	L M	A-B-D-F-Q-S	MIN	32 cSt	32MIN	CPI PALE OIL 32		Alternative oil
								T00SFR325	*5 Litres Can*
		M H	V-Z-W	MIN	68 cSt	68MIN	CPI PALE OIL 68		Alternative oil
								T00SFR685 T00SFR6820 T00SFR68	*5 Litres Can* *20 Litres Pail* *208 Litres Drum*
		L	Two stage	AB	46 cSt	46AB	TOTAL_Lunaria FR 46		Alternative oil
								T00SPX454220	*20 Litres Pail*
	R290 R1270	L M H	A-B-D-F-Q-S-V-Z	PAG	68 cSt	68PAG	ERRECOM PAG68 per HVAC or LUBRIZOL CPI_1516-68		Standard oil charge
								T00SPAG68HC1 T00SPAG68HC19 T00SPAG68HC	*1 Litre Can* *19 Litres Pail* *208 Litres Drum*
			W	PAG	150 cSt	150PAG	ERRECOM PAG150 per HVAC or LUBRIZOL CPI_1516-150		Standard oil charge
								T00SPAG1501 T00SPAG15020	*3,8 Litres Can* *19 Litres Pail*

	Refrigerant	App.	Compressor Series	Oil Type	Viscosity	Frascold Name	Oil Brand Product Name	Spare Part Code	Note
RECIPROCATING	R717 (NH_3)	L M H	Open C6	MIN	68 cSt	68MIN	LUBRIZOL CPI Pale Oil 68		Standard oil charge
								T00SFR685 T00SFR6820 T00SFR68	*5 Litres Can* *20 Litres Pail* *208 Litres Drum*
	R744 (CO_2)	Booster	SK (subcritic) TK (transcritic) Motor-2 (small)	POE	85 cSt	85POE-C	FUCHS_Reniso C 85E		Standard oil charge
								T00SACD85/CO2 T00SACD85200	*10 Litres Pail* *200 Litres Drum*
			SK (subcritic) TK (transcritic) Motor-2 (small)	PAG	68 cSt	68PAG-C	ERRECOM PAG68 per CO2 or SHRIEVE_Zerol RFL 68-EP		Alternative oil
								T00SPAG681 T00SPAG6816	*1 Litre Can* *20 Litres Pail*
			TK (transcritic) Motor-1 (large)	POE	85 cSt	85POE-C	FUCHS_Reniso C 85E		Alternative oil
								T00SACD85/CO2	*10 Litres Pail*
		Heat Pump	TK (transcritic) Motor-1 (large)	PAG	68 cSt	68PAG-C	ERRECOM PAG68 per CO2 or SHRIEVE_Zerol RFL 68-EP		Standard oil charge
								T00SPAG681 T00SPAG6816	*1 Litre Can* *20 Litres Pail*
		Cascade	SK (subcritic)	POE	85 cSt	85POE-C	FUCHS_Reniso C 85E		Standard oil charge
								T00SACD85/CO2 T00SACD85200	*10 Litres Pail* *200 Litres Drum*
			SK (subcritic)	POE	68 cSt	68POE-C	LUBRIZOL CPI Emkarate RL68HB		Alternative oil
								T00SACD68/SK5 T00SACD68/SK20 T00SACD68/SK	*5 Litres Can* *20 Litres Pail* *200 Litres Drum*

	Refrigerant	App.	Compressor Series	Oil Type	Viscosity	Frascold Name	Oil Brand Product Name	Spare Part Code	Note
SCREW	HFO HFC R22	L	CX-CT	POE	170 cSt	170POE	LUBRIZOL CPI Emkarate RL170H		Standard oil charge
								T00SRL170H5 T00SRL170H20 T00SRL170H200	*5 Litres Can* *20 Litres Pail* *200 Litres Drum*
	HFO HFC	L M H	NR – RT ATS	POE	170 cSt	170POE	LUBRIZOL CPI Emkarate RL170H		Recommended oil
								T00SRL170H5 T00SRL170H20 T00SRL170H200	*5 Litres Can* *20 Litres Pail* *200 Litres Drum*
	R22	M H	CX-CT	POE	300 cSt	300POE	LUBRIZOL CPI CP-4214-320		Alternative oil
								T00SRL300H5 T00SRL300H20	*5 Litres Can* *20 Litres Pail*
		L M	NR – RT	AB	100 cSt	100AB	MOBIL Zerice S100	na	Recommended oil
		H	NR – RT	POE	150 cSt	150POE	CPI CP-4214-150	na	Recommended oil
		L M	ATS	AB	100 cSt	100AB	MOBIL Zerice S100	na	Recommended oil
		H	ATS	POE	150 cSt	150POE	CPI CP-4214-150	na	Recommended oil
	R290 R1270	L M H	NR – RT CX	PAG	150 cSt	150PAG	ERRECOM PAG150 per HVAC or LUBRIZOL CPI_1516-150		Recommended oil
								T00SPAG1501 T00SPAG15020	*3,8 Litres Can* *19 Litres Pail*
	R717 (NH_3)	L M H	ATS	MIN	46/68 cSt	46MIN-A	Fuchs Reniso KS 46, KC 68	na	Recommended oil
				PAO	68 cSt	68PAO-A	Gargoile Arctic SHC226E	na	Recommended oil

Legenda

- **Standard Oil Charge**: included in extent of delivery
- **Alternative Oil:** available on request and charged in the compressor
- **Recommended Oil**: approved oil but NOT supplied by Frascold

- **AB** Alkyl Benzene Oil
- **MIN** Mineral Oil
- **PAG** Polyalkylene Glycol Oil
- **PAO** Poly-alpha-olefin Oil
- **POE** Polyolester Oil (see warning here below)

WARNING	*POE Oil must be handled carefully, refer to producer Safety Data Sheet* *Use proper protective equipment (gloves, eye protection, etc.).* *Do NOT put POE Oil in contact with any surface or material that might be harmed by, such as polymers (e.g. PVC/CPVC and polycarbonate).*

- **L** Low Temperature Application (Refrigeration) for R407A, R407C, R407F, R422A/D, R438A
- **M** Medium Temperature Application (Refrigeration, Air-Conditioning)
- **H** High Temperature Application (Air-Conditioning, Heat Pump)

For specific product availability and performance data refer to Frascold sales literature
Refer to Application Engineering bulletins, change-over guidelines etc… for additional information visit web site Frascold.it

Approved lubricants

POE OIL	• Castrol	Icematic SW32, Icematic SW68, Icematic SW170
	• Errecom	Errecom POE32, Errecom POE68
	• Fuchs	Reniso C 85E
	• Lubrizol CPI	Emkarate RL32H, Emkarate RL68H, Emkarate RL170H
	• Lubrizol CPI	CP-4214-150, CP-4214-320
	• Lubrizol CPI	Emkarate RL68HB
	• Mobil	EAL Arctic 32, EAL Arctic 68, EAL Arctic 150
	• Total	Planetelf ACD32, Planetelf ACD68, Planetelf ACD150
PAG OIL	• ERRECOM	PAG68 for HVAC, PAG150 for HVAC, PAG68 for CO2
	• Lubrizol CPI	CPI-1516-68, CPI-1516-150
	• Shrieve	Zerol RFL 68-EP (CO2), Progiline RL WI68 (HC), Progiline RLWI 150 (HC), Zerol PAG-R717
MIN OIL	• Fuchs	Reniso KS 46, Reniso KC 68
	• Lubrizol CPI	Pale Oil 32, Pale Oil 68
AB OIL	• Mobil	Zerice S100
	• Shrieve	Zerol 250, Zerol 350 (R717), Zerol 500
	• Total	Lunaria FR 46