

Add Oil CU/H0.5-1.5 suitable for 20m, CUH/2-12 suitable for 30m, longer 26gram per 0.45kg

AIREDALE COMPRESSOR OIL SUMMARY

1.0 COPELAND COMPRESSOR OIL SUMMARY

1.1 MINERAL OIL SUITABLE ONLY FOR R22 SYSTEMS

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOPUP OIL	AIAC PART NO.
Copeland White Oil	JRR4 0100 PAZ REBO-0150	R22	Suniso 3GS	-
Suniso 3GS	All CR Range	R22	Suniso 3GS Shell 22-12 Texaco WF32	- 515-487 (20 lbs) -
Copeland White Oil	All ZR Range	R22	Suniso 3GS	-

1.2 ESTER OIL SUITABLE FOR R22, R407C

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOPUP OIL	AIAC PART NO.
ICI Emkarate RL32CF OR Mobil EAL22	JRRE 0100 PAZ REBO-0150E CRE Range ZRE Range	R22 OR R407C	ICI Emkarate RL32CF / RL32S OR Mobil EAL 22CC / EAL 22	- 515-369 (1 ltr) - -

2.0 BITZER COMPRESSOR OIL SUMMARY

2.1 MINERAL OIL SUITABLE ONLY FOR R22 SYSTEMS

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOPUP OIL	AIAC PART NO.
Bitzer B 5.2	All semi-hermetic reciprocating models	R22	Bitzer B 5.2	-

2.2 ESTER OIL SUITABLE FOR R407C

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOPUP OIL	AIAC PART NO.
Bitzer BSE 32	All semi-hermetic reciprocating models	R407C	Bitzer BSE 32 OR Emkarate RL32S	- 515-369 (1 ltr)

3.0 REFCOMP COMPRESSOR OIL SUMMARY

1.1 MINERAL OIL SUITABLE ONLY FOR R22 SYSTEMS

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOPUP OIL	AIAC PART NO.
Shell SD22.12	SRC-L Semi-reciprocating	R22	Shell SD22.12 Suniso 3GS	515-487 (20 lbs)
Esso Zerice 68	SRC-F, SRC-M Semi-reciprocating	R22	Clevus 300 Zerice 68 Suniso 46 Artic Oil 300	- - - 515-486 (25 lbs)
CPI CP 320	SRC-S Semi-screw	R22	CP320	-

1.2 ESTER OIL SUITABLE FOR R407C

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOPUP OIL	AIAC PART NO.
ICI Emkarate 68S	SRC-L, SRC-F, SRC-M Semi-reciprocating	R407C	ICI Emkarate 68S DEA SE55	515-485 (5 lbs) -
DEA SE170	SRC-S Semi-screw	R407C	DEA SE170 Castrol SV220HF	- -

4.0 MANEUROP COMPRESSOR OIL SUMMARY

1.1 MINERAL OIL SUITABLE ONLY FOR R22 SYSTEMS

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOPUP OIL	AIAC PART NO.
160P	MT Reciprocating range	R22	160P Suniso 3GS	515-547 (5 lbs)
300S	M5 scroll range	R22	300S	515-548 (2 lbs)
160P	SM scroll range	R22	160P	515-547 (5 lbs)

1.2 ESTER OIL SUITABLE FOR R22, R407C

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOPUP OIL	AIAC PART NO.
160 PE	MTE reciprocating range	R22, R407C	160 PE ICI Emkarate RL32S	-
160 PZ	MTZ reciprocating range	R22, R407C	160 PZ	-
300 SE	MSE scroll range	R22, R407C	300 SE	515-423 (2 lbs)
160 SZ	SZ scroll range "Performer"	R407C	160 SZ ICI Emkarate RL32H	515-490 (5 lbs)

5.0 L'UNITE HERMETIQUE COMPRESSOR OIL SUMMARY

5.1 MINERAL OIL SUITABLE ONLY FOR R22 SYSTEMS

OIL TYPE	COMPRESSOR TYPE	REFRIGERANT	TOP UP OIL	AIAC PART NO.
Sontexo SA-68	RK55 range rotary compressors	R22	Not recommended	

SAMPLE LABEL ATTACHED TO EACH COMPRESSOR

COMPRESSOR OIL	HUILE DU COMPRESSEUR	KOMPRESSOR OEL
MANEUROP 160P		
REFRIGERANT	REFRIGERANT	KAEITEMITTEL
R22		
TOP UP OIL	HUILE DE COMPLEMENT	NACHFUELLOEL
MANEUROP 160P, SUNISO 3GS		
AIREDALE		01B-664

Lubricant :

Two types of oil are used : mineral oil for SM compressors and ester oil for SZ compressors (see exact references in the generic description at the beginning of this document).

Generally speaking whenever oil is added it is advisable to use oil only from new cans. This is mandatory for ester oil due to its strong hygroscopic property, the oil in partly-used cans can absorb moisture during storage.

• Oil level check :

The oil level can **only** be tested when the compressor is running in stabilised conditions, guaranteeing that there is no liquid refrigerant in the lower shell of the compressor. In this case, the oil level must be between $\frac{1}{4}$ and $\frac{3}{4}$ in the oil sight glass. (Note : at shutdown, the oil level will fall to the bottom limit of the oil sight glass).

• Oil top up :

Top up oil when the compressor is running. Use the schrader connector and a suitable pump or any other accessible connector on the compressor suction line.



GASCO

GASCO International Ltd
 West Quay Road
 Winwick Quay
 WARRINGTON
 CHESHIRE, WA2 8TL

Tel (01925) 240929
 Fax (01925) 240930

Castrol International Limited

REFRIGERATION LUBRICANT EQUIVALENTS

COMPETITOR PRODUCT				CASTROL EQUIVALENT		
MOBIL	MOBIL EAL ARCTIC		15	ICEMATIC	SW	10
	MOBIL EAL ARCTIC		22	ICEMATIC	SW	22
	MOBIL EAL ARCTIC		32	ICEMATIC	SW	32
	MOBIL EAL ARCTIC		46	ICEMATIC	SW	46
	MOBIL EAL ARCTIC		68	ICEMATIC	SW	68
	MOBIL EAL ARCTIC		100	ICEMATIC	SW	100
SHELL	CLAVUS		32	ICEMATIC		66
	CLAVUS		46	ICEMATIC		66
	CLAVUS		68	ICEMATIC		99
	CLAVUS	G	32	ICEMATIC		266
	CLAVUS	G	46	ICEMATIC		266
	CLAVUS	G	68	ICEMATIC		299
	SHELL		5D	ICEMATIC		2284
SUNISO	SUNISO		3GS	ICEMATIC		266
	SUNISO		4GS	ICEMATIC		299
	SUNISO		5GS	NOT AVAILABLE		
TEXACO	CAPELLA	WF	32	ICEMATIC		66
	CAPELLA	WF	68	ICEMATIC		99
TOTAL	LUNARIA		32	ICEMATIC		266
	LUNARIA		68	ICEMATIC		299
ZEROL	ZEROL		150	ICEMATIC		2282
	ZEROL		250	ICEMATIC		2283
	ZEROL		350	ICEMATIC		2284
	ZEROL		500	ICEMATIC		2285

REFRIGERATION LUBRICANT EQUIVALENTS

COMPETITOR PRODUCT				CASTROL EQUIVALENT			
BP	ENERGOL	LPT	32	ICEMATIC		66	
		LPT	46	ICEMATIC		99	
		LPT	F 32	ICEMATIC		266	
		LPT	F 46	ICEMATIC		299	
CENTURY		RB		ICEMATIC		66	
		RC		ICEMATIC		99	
ELF	FRIGA		32	ICEMATIC		266	
			68	ICEMATIC		299	
		PLANET ELF	AW	22	ICEMATIC	SW	22
		PLANET ELF	AW	32	ICEMATIC	SW	32
		PLANET ELF	AW	68	ICEMATIC	SW	68
ESSO	ZERICE		46	ICEMATIC		66	
			68	ICEMATIC		99	
			S 46	ICEMATIC		2283	
			S 68	ICEMATIC		2284	
			S 100	ICEMATIC		2285	
FINA	PURFRIGOL		32	ICEMATIC		66	
			38F	ICEMATIC		266	
			68	ICEMATIC		299	
			MP 68	ICEMATIC		299	
ICI	EMKARATE	RL	22H	ICEMATIC	SW	32	
		RL	32H	ICEMATIC	SW	32	
		RL	32S	ICEMATIC	SW	32	
		RL	46H	ICEMATIC	SW	46	
		RL	46S	ICEMATIC	SW	46	
		RL	68H	ICEMATIC	SW	68	
		RL	68S	ICEMATIC	SW	68	
		RL	100S	ICEMATIC	SW	100	
		RL	150S	ICEMATIC	SW	150	
		RL	220H	ICEMATIC	SW	220	
MOBIL	GARGOYCE ARCTIC		155	ICEMATIC		266	
			300	ICEMATIC		299	
			C	ICEMATIC		266	
			HEAVY	ICEMATIC		299	
		SHC	224	ICEMATIC		2293	
		SHC	228	ICEMATIC		2294	