

COPELAND Europe Approved Oils

May 2008 Status

	Mineral or Semi-mineral oil charge			Ester oil charge "X" (pistons) and "E" (Scroll)		
Compressor type	Production Original Charge	Approved oils "Re-charge"	Oil tolerated for "Top Off"	Production Original Charge	Approved oils "Re-charge"	Oil tolerated for "Top Off"
Hermetic Accessible 2 * and 3 cylinders Standard and Discus	SUNISO 3GS (since June 2006)	SUNISO 3 GS SHELL 22-12 TEXACO Capella WF 32 FUCHS Reniso KM 32		ICI Emkarate RL 32-3MAF	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF SUNISO SL 32	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF SUNISO SL32
Hermetic Accessible 4,6 and 8 cylinders Open type CC	SUNISO 3GS	SUNISO 3 GS SHELL 22-12 TEXACO Capella WF 32 FUCHS Reniso KM 32		ICI Emkarate RL 32-3MAF	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF SUNISO SL 32	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF
Piston Hermetic CR ... KQ	SUNISO 3GS	SUNISO 3 GS TEXACO Capella WF 32 FUCHS Reniso KM 32		ICI Emkarate RL 32-3MAF	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF SUNISO SL 32	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF
Scroll A/C ZR 18 K* to ZR 81 K*	COPELAND White Oil	COPELAND White Oil	SUNISO 3 GS TEXACO Capella WF 32 FUCHS Reniso KM 32	ICI Emkarate RL 32-3MAF	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF SUNISO SL 32	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF
Scroll A/C ZR 90 K* to ZR 760 K*	SUNISO 3GS	SUNISO 3 GS		ICI Emkarate RL 32-3MAF	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF SUNISO SL 32	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF
Scroll A/C ZP				ICI Emkarate RL 32-3MAF	ICI Emkarate RL 32-3MAF SUNISO SL 32	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF
Scroll Refrigeration ZF, ZS, ZB				ICI Emkarate RL 32-3MAF	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF SUNISO SL 32	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF
Scroll Heat Pump ZH				ICI Emkarate RL 32-3MAF	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF SUNISO SL 32	MOBIL EAL Arctic 22 CC ICI Emkarate RL 32-3MAF
Scroll CO2 ZO				Emkarate RL 68 HB	Emkarate RL 68 HB	Emkarate RL 68 HB

MOBIL EAL Arctic 22 CC or Castrol Icematic 22CC
ICI Emkarate RL 32-3MAF or Castrol Icematic 32-3MAF

A.D. 05/2008