

Extol Australia Pty Ltd

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EXTOL SRO POE SERIES

EXTOL POE Series was developed to address many of the shortcomings of most 100% POEbased formulations including hygroscopicity, lack of wear protection, viscosity dilution and chemical instability in the presence of moisture. The Series is a full synthetic formulation based on a high concentration POE-Polyolester component for optimum refrigerant miscibility and oil return assurances. Extensive field testing has indicated that the % of POE used is more than sufficient to guarantee optimum miscibility with the refrigerant, excellent oil return to the compressor, excellent wear protection, and less issues with moisture absorption (75% less hygroscopic) and high TAN-Total Acid Number. The SRO Series is formulated for environmentally friendlier refrigerant gases including HFCs like R134a, among others, in industrial and commercial refrigeration, air conditioning and chiller applications. The Series is compatible and miscible with other POE-based formulations in the marketplace for this application like Bitzer, Copeland, Castrol Icematic SW, Lubrizol Emkarate RL, CPI Solest, Mobil EAL Arctic & Fuchs Reniso Triton C/SE/SEZ oils. It is not designed for ammonia refrigeration due to its reactivity with R717. It is compatible with all paints, plastics and elastomers for this application. As with all specialty lubricants, indoor storage in original containers and immediate closing of same after dispensing should minimize moisture and particulate contamination. When in doubt as to the suitability for your particular application, please consult the factory or your local distributor.

PRODUCT	POE	POE	POE	POE	POE	POE	POE	POE
ISO VG	22	32	46	68	100	150	170	220
Viscosity @ 40°C, cSt @ 100°C, cSt	21.8 4.5	32.6 6.0	45.5 7.5	66.8 9.9	101.5 13.7	150.3 18.3	170.3 19.6	218.7 23.6
Viscosity Index	122	130	130	131	136	136	133	134
Flash Point, °F	470	500	530	520	540	545	530	550
°C	243	260	277	271	282	285	277	288
Fire Point, °F	510	530	560	565	580	580	590	590
°C	266	277	293	296	304	304	310	310
Pour Point, °F	-85	-71	-71	-65	-54	-49	-44	-40
°C	-65	-57	-57	-54	-48	-45	-42	-40
Specific Gravity	0.8628	0.8732	0.8709	0.8744	0.8783	0.8817	0.8783	0.8804
TAN, mg KOH/g	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1