



Raysun Triton

High Performance Naphthenic Refrigeration Compressor Oil

Raysun Triton series are high performance naphthenic refrigeration compressor oils specially designed to meet the stringent requirements of major refrigeration compressor manufacturers. These oils are formulated with severely hydro treated naphthenic base oils to provide excellent protection against oxidation degradation, rust & corrosion and foaming & entrained air. These oils are specifically designed for refrigeration systems using non-hydrofluorocarbon refrigerants such as R-11, R-12, R-13B1 R-22, R-113, R-500, R-501, R-502, R-717 (Ammonia - NH₃), etc. These oils exceed the performance requirements of DIN 51503 KAA, KC and KE and ISO 6743-3:2003 L-DRA, L-DRE and L-DRG.

Advantages

- Good thermo-oxidative stability controls deposits in evaporator tubes, improves heat transfer and improves oil life resulting in improved equipment reliability, availability and efficiency
- Free from additives and pour point depressants as these have been known to impair the performance of some refrigeration systems
- Low pour point and floc point ensures smooth operation at low operating temperatures
- Low ash and carbon forming tendency ensures improved valve performance and reduced potential for fires and explosions in the discharge systems
- Good wear and rust protection results in reduced maintenance costs and longer equipment life
- Compatible with materials used in the entire refrigeration system

Applications

- Large Industrial reciprocating and rotary refrigeration compressors
- Suitable for use with most non-hydrofluorocarbon refrigerant gases like R-11, R-12, R-13B1 R-22, R-113, R-500, R-501, R-502, R-717 (Ammonia -NH₃), CO₂, etc. compressors of Carrier, Copeland, Kelvinator, Sabroe, Tecumseh make among others where such quality oils are recommended
- Marine refrigeration applications like food freezing and cold storage plants
- Also used in circulating oil systems, plain and rolling element bearings, etc

Specifications

- DIN 51503 KAA, KC and KE
- ISO 6743-3:2003 L-DRA, L-DRE and L-DRG



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ISO Viscosity Grades					Test Method	Specification
100	68	55	46	32		
0.917	0.921	0.922	0.921	0.915	ASTM D 1298	Density @ 15°C, kg/l
100	68	55	46	32	ASTM D 445	Viscosity @ 40 °C, cSt.
218	206	188	186	184	ASTM D 92	Flash Point, °C
-27	-33	-36	-36	-42	ASTM D 97	Pour Point, °C
Pass	Pass	Pass	Pass	Pass	ASTM D665 A/B	Rust Test
1a	1a	1a	1a	1a	ASTM D130	Copper Corrosion, 1hr @ 100°C

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."