PRODUCT DATA SHEET

Athen Marine REF N Cool Oil Series

High Performance Naphthenic Refrigeration Compressor Oil

Product Description

Athen Marine REF N Cool Oil series is our high-performance naphthenic refrigeration compressor oil 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.

Features & Benefits

- Excellent 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 ensure smooth operation at low operating temperatures
- Compatible with materials used in the entire refrigeration system

Applications

- **REMARK**: **These oils are not recommended for use with HFC refrigerants such as R-134a**

- 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), etc., compressors of Carrier, Copeland, Kelvinator, Sabroe, Tecumseh make, among others, where such quality oils are recommended
- Marine refrigeration applications line food freezing and cold storage plants. Large Industrial reciprocating and rotary refrigeration compressors.

Athen Marine REF N Cool Oil Series				
Typical Characteristics	**SAE Grade**	**32**	**46**	**68**
Meets/Exceeds Requirements	DIN 51503 KAA, KC and KE			
Test Parameters	**ASTM Method**	**Typical Values**		
Density @ 15°C, kg/l	D 1298	Report	Report	Report
Viscosity @ 40°C, cSt	D 445	32	46	68
Flash Point, °C	D 2270	180	190	200
Pour Point, °C	D 92	-36	-36	-36
Aniline Point	D 611	80	82	90

"Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations that do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS.