

Athen Marine REF Syn DAB Series

Fully Synthetic Refrigeration Compressor Oil

Product Description

Athen Marine DAB Series are high-performance, fully synthetic refrigeration compressor oils specially designed to meet the stringent requirements of most modern refrigeration and air conditioning systems from major equipment manufacturers. These oils are formulated from the highest quality dialkyl benzene base fluids and provide excellent protection against oxidation degradation, wear, and rust & corrosion.

Features & Benefits

- Relative to mineral and other synthetic lubricants, it has superior solubility with halocarbon refrigerants. This helps avoid the common problem of oil separation and congealing on the valve and heat transfer surfaces of the refrigeration system
- Lubricants have very low pour and floc points, which helps prevent harmful wax precipitation that can block expansion valves and heat transfer surfaces
- This lubricant provides excellent chemical stability, which resists reactions with refrigerants, as well as high thermal stability, which helps prevent oil breakdown.
- Compatible with materials of construction and elastomers commonly used in the refrigeration system (e.g., Mylar, Polypropylene, Viton, Buna-N, Neoprene, Nylon, etc.)

Applications

- Mobile air conditioning, domestic refrigeration, residential and commercial air conditioning and heat pump, commercial refrigeration including transport refrigeration, Industrial refrigeration (reciprocating and rotary units)..
- Marine refrigeration applications, freezing line food, and cold storage plants
- They should not be used with sulfur dioxide or R134A refrigerants.
- Suitable for use with most fluorocarbons and other refrigerant gases like R-11, R-12, R-13B1, R-22, R-113, R-500, R- 501, R-502, R-717 (Ammonia –NH3), etc., in compressors where such quality oils are recommended.

Athen Marine REF Syn DAB Series				
Performance meets/exceeds				
Typical Characteristics	SAE Grade	55	68	100
Test Parameters	ASTM Method	Typical		
Density @ 15°C, kg/l	D 1298	0.87	0.874	0.878
Viscosity @ 40°C, cSt	D 445	53.5	68	95.5
Total Acid No, mg KOH/g	D 664	0.01	0.01	0.01
Flash Point, °C	D 92	176	180	200
Pour Point, °C	D 97	-42	-42	-42

"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.