PRODUCT DATA SHEET

Athen Marine Comp Syn DE Series

Advanced Synthetic Diesters Air Compressor Lubricants

Product Description

Athen Marine Comp Syn DE Series is a high-performance synthetic air compressor lubricant formulated with advanced di-ester base fluids, specifically developed for reciprocating air compressors in marine environments.

Features & Benefits

- Superior oxidation stability, improved lubricity and film strength, Excellent anti-wear properties, and Excellent high-temperature performance.
- Reduced maintenance, extended oil life, and cleaner operations minimize carbon formation and provide extended valve life.
- Reduced oil consumption due to a reduction in the required lubricant feed rate to the cylinder walls and piston rings without increasing wear rates. Since less lubricant is consumed, the delivered compressed air is also of higher quality
- Reduced compressor downtime due to less wear on all moving parts, longer machine life, and reduced maintenance
- Compatible with various seals: Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil-Resistant Alkyd, Nylon, Delrin, Celcon and PBT.
- **Not recommended for use with Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC and ABS.**

Applications

- Recommended for lubrication of reciprocating compressors using the following gases:
- Air – Methane – Carbon Monoxide – Hydrogen Sulphide (dry) – Butadiene – Hydrogen – Synthesis Gas – Sulphur Hexafluoride – Ethylene – Nitrogen – Natural Gas – Carbon Dioxide (dry) – Helium – Propane – Furnace (crack) Gas

- Nominal operating range is -15°C to 230°C (5°F to 445°F).

Athen Marine Comp Syn DE Series			
Performance meeting / exceeding: - DIN 51506 VDL			
Typical Characteristics	**SAE Grade**	**100**	**150**
Test Parameters	**ASTM Method**	**Typical**	
Density @ 15°C, kg/l	D 1298	0.960	0.965
Viscosity @ 40°C, cSt	D 445	100	150
Viscosity @ 100°C, cSt	D 445	10.5	14.2
Flash Point, °C	D 92	260	290
Pour Point, °C	D 97	-36	-33
Demulsibility @82°C, ml oil/water/emulsion (mints)	D 1401	41/39/0 (23)	41/39/0 (17)

"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"