



PRODUCT DATA SHEET

GulfSea DE Compressor Oil Series

Advanced Synthetic Air Compressor Lubricant

Product Description

GulfSea DE Compressor Oil series are advanced fully synthetic air compressor lubricants developed for use in rotary compressors of screw or vane design, reciprocating compressors and heavy duty turbo-chargers to provide long term lubrication in process gas compressors. The synthetic diester based compressor oil provides effective lubrication of equipment working in extreme temperatures and severe operating conditions. These oils are specially designed to provide excellent thermo-oxidative stability and wear protection.

Features & Benefits

- Outstanding thermo-oxidative stability and excellent anti-wear protection leads to longer oil and equipment life
- Low varnish and carbon forming tendency help in reducing maintenance cost
- Ash-less formulation ensures no interference with catalytic process as well as excellent filterability by minimizing oil filter blockage in wet condition
- Greatly reduces fire and explosion hazard
- Excellent low volatility characteristics give low oil consumption and reduced top-up rates
- Improved surface properties results in very good anti-foaming and air release properties, superior Demulsibility and excellent protection against rust and corrosion
- Compatible with various seals materials and paints (e.g. Viton, High Nitrile Buna N, Teflon, Epoxy Paint, Oil-Resistant Alkyd, Nylon, Delrin, Celcon and PBT).
- **GulfSea DE Compressor Oil 68** carried H2 for use in food processing plants
- **NOTE:** Not recommended for use with Neoprene, SBR Rubber, Low Nitrile Buna N, Acrylic Paint, Lacquer, Polystyrene, PVC and ABS.

Applications

- **GulfSea DE Compressor Oil 68** is suitable for use in oil flooded rotary screw and vane air compressors. Nominal operating range is -23°C to 230°C (-10°F to 445°F).
- **GulfSea DE Compressor Oil 100** is recommended for cylinder and frame lubrication of reciprocating compressors and vacuum pumps 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).

Due to continual product research and development, the information contained herein is subject to change without notification.

Typical Properties may vary slightly.



Marine

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Typical Properties

GulfSea DE Compressor Oil Series			
		68	100
ISO Viscosity grades		68	100
Typical Properties			
Test Parameters	ASTM Method	Test Values	
Specific Gravity, @ 15.6°C	D4025	0.95	0.96
Kinematic viscosity, @ 40 °C, cSt	D445	67.5	95.5
Pour Point, °C	D97	-33	-35
Flash Point, °C	D92	262	274
Autoignition Temp., °C	E659	405	410
Conradson Carbon Residue, %	D189	0.02	0.02
Evaporation, 22hrs @ 99°C, %	D972	<0.1	<0.1
Cu Strip Corrosion, 3hrs @100°C	D130	1A	1A
Demulsibility @54°C, ml oil/water/emulsion (min)	D1401	40/37/3 (16)	39/38/3 (<60)
Four-Ball Wear, 1200rpm, 75°C,40kg,1hr, min	D4172	0.8	0.8

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