Gulf Fidelity PA

Advanced Synthetic Air Compressor Lubricant

Product Description

Gulf Fidelity PA series are advanced fully synthetic ashless air compressor lubricants developed for use in rotary compressors of screw or vane design, reciprocating compressors and centrifugal compressors. The synthetic Polyalphaolefin (PAO) base fluids in combination with advanced additive technology provide 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
- Extra high viscosity index coupled with excellent low temperature fluidity makes these oils suitable for use in wide operating temperature range
- Zinc-free formulation ensures excellent filterability by minimizing oil filter blockage in wet condition
- 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 and superior demulsibility
- Offers excellent protection against rust and corrosion
- Compatible with mineral lubricants and also with seals and paints normally used with mineral oils.
- Capable of providing oil change intervals exceeding 8000Hours under normal operating conditions

Applications

- Single or multiple stage rotary screw or vane, centrifugal compressors and reciprocating compressors of various OEMs including Hydrovane, Atlas Copco, Compare, and Worthington.
- Compressors used in mobile and stationary applications.

Specifications, Approvals & Typical Properties

Meets the following Specification		**32**	**46**	**68**
DIN 51506 VBL, VCL and VDL		**X**	**X**	**X**
ISO 6743-3 ISO-L-DAB and ISO-L-DAJ		**X**	**X**	**X**
Typical Properties				
Test Parameters	**ASTM Method**	**Typical Values**		
Viscosity @ 40 ºC, cSt	D 445	31.70	46.1	68.3
Viscosity Index	D 2270	138	137	141
Flash Point, ºC	D 92	246	242	254
Pour Point, ºC	D 97	-60	-48	-48
Density @ 15ºC, Kg/l	D 1298	0.830	0.846	0.850
Air Release, @ 50ºC minutes	D 3427	2	3	5
Pneurop ageing - CCR after ageing, %	DIN 51352 - 2	0.20	0.20	0.12
Rust Test	D 665 A/B	Pass	Pass	Pass
Emulsion Test @ 54 ºC 30 minutes max	D 1401	Pass	Pass	Pass
Foam (aft 10 mins of settling - all seq)	D 892	Nil	Nil	Nil
FZG, fail load stage	DIN 51354 Part II	>12	>12	>12

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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