



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.

Applications

- Single or multiple stage rotary screw or vane, centrifugal compressors and reciprocating compressors of various OEMs including Hydrovane, Atlas Copco, Compare, and Worthington.
- The formulation has undergone successful field trial in Hydrovane 23C rotary vane compressor for 7030 hrs (VG 100), in Compare 6050/7A Rotary Screw compressor for 9110 hrs (VG 46) and Worthington Rollair 40 Screw Compressor for 5030 hrs (VG 46)
- Compressors used in mobile and stationary applications.

Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor. Gulf Oil International

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Specifications, Approvals & Typical Properties

| Meets the following Specification | | 46 | 68 | 100 | |
|--|---------|-------------------|----------------|-------|-------|
| DIN 51506 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 °C, cSt | | D 445 | 46.1 | 68.3 | 100.2 |
| Viscosity Index | | D 2270 | 137 | 141 | 143 |
| Flash Point, °C | | D 92 | 242 | 254 | 260 |
| Pour Point, °C | | D 97 | -33 | -33 | -33 |
| Density @ 15°C, Kg/l | | D 1298 | 0.846 | 0.850 | 0.853 |
| Air Release, @ 50°C minutes | | D 3427 | 3 | 5 | 5 |
| Pneurop ageing - CCR after ageing, % | | DIN 51352 - 2 | 0.2 | 0.12 | 0.07 |
| Rust Test | | D 665 A/B | Pass | Pass | Pass |
| Emulsion Test 30 minutes max | @ 54 °C | D 1401 | Pass | Pass | - |
| | @ 82 °C | | - | - | 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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