

ChevronTexaco Cetus® PAO 46

Category : Fluid , Lubricant , Polyalphaolefin (PAO)

Material Notes:

Texaco Cetus PAO oils deliver value through: Long lubricant life in high temperature operations – Outstanding thermal and oxidation stability. Extended machinery life and increased compressor efficiency – Oxidative stability and low carbon-forming tendencies minimize sludge and deposit formation. Extended drain intervals – Long lubricant life means less frequent oil changes. Reduced maintenance and downtime – Trouble free operation and extended service intervals means reduced operating costs. Reduced oil consumption – Low volatility means less oil goes downstream, and less oil is needed for makeup. Recommended in Atlas Copco, Sullair, Ingersoll-Rand and Quincy rotary screw air compressors. Texaco Cetus PAO products meet the requirements of German DIN 51506 VDL standard. Texaco Cetus PAO oils are synthetic compressor oils. They are based on polyalphaolefin technology. They provide outstanding thermal and oxidation stability, high viscosity index, high flash point, low pour point, and excellent hydrolytic stability. Texaco Cetus PAO oils protect against rust, oxidation, and foaming, and have good antiwear properties. The natural thermal and oxidation stability of these lubricants, due to their high level of purity and refinement, has been further enhanced by their unique additive systems. The high thermal and oxidation stability reduces the formation of oxidation byproducts and acidic materials which will eventually cause deposits and varnish. They are able to withstand relatively high temperature operations for extended periods of time. They have very good demulsibility characteristics allowing quick release of moisture. They minimize entrained air, which could otherwise result in reduced lubricant film thickness and potentially lead to pump cavitation. They are compatible with most elastomeric seal materials that are used with mineral oil based compressor lubricants. Texaco Cetus PAO oils are formulated to provide outstanding lubricating qualities for air compressors, especially portable and stationary rotary, vane, and screw compressors. Texaco Cetus PAO oils are recommended for industrial bearings and gears that require a synthetic gear oil that does not contain extreme pressure additives. Texaco Cetus PAO oils are designed for applications with wide operating temperature ranges. They are especially effective in high temperature applications where outstanding thermal and oxidative stability are required. Do not use in high pressure systems in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed. Do not use in breathing air apparatus or medical equipment. Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing. CPS Number: 222022; MSDS Number: 8903

Order this product through the following link:

http://www.lookpolymers.com/polymer_ChevronTexaco-Cetus-PAO-46.php

| Physical Properties | Metric | English | Comments |
|--------------------------------------|----------|----------|-----------------------------|
| API Gravity | 37.4 ° | 37.4 ° | ASTM D287 |
| Viscosity Measurement | 134 | 134 | Viscosity Index; ASTM D2270 |
| Saybolt Viscosity at 100°F | 223 SUS | 223 SUS | ASTM D445 |
| Saybolt Viscosity at 210°F | 51 SUS | 51 SUS | ASTM D445 |
| Kinematic Viscosity at 40°C (104°F) | 43.7 cSt | 43.7 cSt | ASTM D445 |
| Kinematic Viscosity at 100°C (212°F) | 7.4 cSt | 7.4 cSt | ASTM D445 |
| Oxidative Stability | 25 hour | 25 hour | to 25 psi drop; ASTM D2272 |

| Physical Properties | Metric | English | Comments 500 |
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| Mechanical Properties | Metric | English | Comments |
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|----------------|----------|-----------|---|
| Four Ball Wear | 0.300 mm | 0.0118 in | Scar Diameter, 1800 rpm, 20 kg; ASTM D4172 |
|----------------|----------|-----------|---|

| Thermal Properties | Metric | English | Comments |
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|------------|-------------|-------------|----------|
| Pour Point | >= -56.0 °C | >= -68.8 °F | ASTM D97 |
|------------|-------------|-------------|----------|

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|-------------|--------|--------|----------|
| Flash Point | 258 °C | 496 °F | ASTM D92 |
|-------------|--------|--------|----------|

| Descriptive Properties | Value | Comments |
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|-------------------------|----|--------------|
| Corrosion, Copper Strip | 1a | 3 h at 100°C |
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|-----------------------|---|------------------------|
| Foaming Stability, mL | 0 | ASTM D892, Sequence II |
|-----------------------|---|------------------------|

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| Foaming Tendency, mL | 20 | ASTM D892, Sequence II |
|----------------------|----|------------------------|

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| Noack Volatility, wt% | 3.1 | DIN 51581 |
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| Pneurop Oxidation Test Carbon Residue, wt% | 0.7 | DIN 51352 |
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| Pneurop Oxidation Test Evaporation Loss, wt% | 2.4 | DIN 51352/2 |
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| Rust Prevention | Pass | Synthetic sea water |
|-----------------|------|---------------------|

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|------------------------|----|------------------|
| Water Separability min | 10 | to 0 ml emulsion |
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