

CHEMLUBE® 221, 228, 268, 299, and 300 PAO-BASED COMPRESSOR LUBRICANTS

Applications:

The Chemlube PAO-based series are fully synthetic compressor oils that are formulated with the highest quality polyalphaolefin (PAO) base fluids. These 100% premium synthetic oils are used where maximum seal, paint, and plastic compatibility is required.

Chemlube 221, 228, and 268 are designed for rotary screw applications and offer a service life of up to 8,000 hours under a wide range of temperatures under good operating conditions.

Chemlube 299 and 300 are designed for reciprocating compressors.

Typical Industrial Applications:

- Rotary Screw Compressors
- Rotary Vane Compressors
- Reciprocating Compressors
- Centrifugal Compressors
- Vacuum Pumps

Performance Benefits:

- Outstanding thermal oxidative stability
- Very low pour point
- Wide operating temperature range
- Non-detergent and ashless
- Extended drain intervals / reduced oil disposal
- Excellent vapor pressure characteristics
- USDA H-2 authorized

| TYPICAL PROPERTIES | TEST METHOD | Chemlube 221 | Chemlube 228 | Chemlube 268 | Chemlube 299 | Chemlube 300 |
|---|-------------|--------------|--------------|--------------|--------------|--------------|
| ISO Grade | ASTM D2422 | 32 | 46 | 68 | 100 | 150 |
| Viscosity @ 40°C,cSt | ASTM D445 | 32 | 48 | 67 | 99 | 156.3 |
| Viscosity @ 100°C,cSt | ASTM D445 | 5.5 | 7.9 | 10.3 | 14.5 | 18.3 |
| Viscosity Index | ASTM D2270 | 140 | 134 | 139 | 150 | 131 |
| Flash Point, °C/°F | ASTM D92 | 221/430 | 251/483 | 270/518 | 246/475 | 260/500 |
| Pour Point, °C/°F | ASTM D97 | -54/-65 | -51/-60 | -51/-60 | -51/-60 | -45/-49 |
| Copper Corrosion | ASTM D130 | 1a | 1b, shiny | 1a | --- | 1a |
| Foaming Sequences I, II, III | ASTM D892 | Nil | Nil | Nil | Nil | Nil |
| Demulsibility | ASTM D1401 | Excellent | 40-40-0(10) | 40/39/1 | --- | --- |
| Four Ball Wear, 40 Kg., 1200rpm, 75°C, 1 hr., Scar Diameter, mm | ASTM D4172 | --- | 0.43 | 0.44 | --- | --- |
| Specific Gravity | ASTM D1298 | 0.83 | 0.86 | 0.86 | 0.86 | 0.86 |

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HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com

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