

Product Data Sheet

Servopress T 32, 46, 57, 68

Compressor Oils for Synthesis Gas/ammonia Compressors



Description

Servopress oils are new series of compressor lubricants specially formulated for use in rotary vane, centrifugal and screw compressors handling synthesis gas/ammonia. These oils are based on high quality turbine base stocks and carefully selected antioxidant and rust inhibitors, which are fully compatible with Synthesis Gas/ ammonia. They have minimum sludge forming tendency and do not turn red while in contact with Synthesis Gas/ ammonia.

Performance, Features and Benefits

- Have excellent resistance to oxidation, and sludge formation, which lead to extended oil drain intervals.
- Provide effective protection against rust and corrosion.
- Do not react with ammonia
- Do not turn red while in contact with ammonia.
- Readily separate from water

Application

Servopress T oils are suitable for turbine driven centrifugal compressors having common circulation system for bearings, couplings and seal oil system handling Synthesis Gas/ ammonia. They can also be used for Screw and Vane Compressors in view of their excellent oxidation stability.

Approvals / Performance Standards / Recommendations

Servopress T oils are approved by:

- Bharat Heavy Electricals Ltd., Hyderabad
- Consolidated Pneumatic Tool Co (I) Ltd., Mumbai

Typical Physical Characteristics

| Servopress T | Method | Value | | | |
|---|----------|--------|--------|-------|-------|
| ISO VG | | 32 | 46 | 57 | 68 |
| Density @ 15°C, gm/ml | D:1298 | 0.8840 | 0.886 | 0.888 | 0.889 |
| Flash Point (COC), °C | D: 92 | 228 | 232 | 232 | 238 |
| Kinematic Viscosity @ 40 °C, cSt | D:445 | | 46.1 | 57.5 | 68.1 |
| Kinematic Viscosity @ 100°C, cSt | D:445 | 5.21 | 6.91 | 7.85 | 8.75 |
| Viscosity Index | D: 2270 | 107 | 105 | 101 | 100 |
| Pour Point, °C | D: 97 | (-) 12 | (-) 12 | (-) 9 | (-) 9 |
| TAN, mg KOH/gm | D: 974 | 0.06 | 0.06 | 0.07 | 0.07 |
| Rust Test, 24 Hrs | D: 665 B | Pass | Pass | Pass | Pass |
| Demulsibility @ 54°C, 40-37-3, Minutes, | D: 1401 | 10 | 10 | 15 | 15 |

Health, Safety & Environment

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or at <https://cx.indianoil.in/>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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