



Atransol 68 ZF

Extra Heavy Duty Long Drain Hydraulic Oil

TECHNICAL DATA SHEET

Product Description:

Veedol Atransol 68 ZF is an extra heavy duty extended drain super clean high performance hydraulic oil specially developed for use in hydraulic systems of heavy duty concreting & earthmoving machinery operating under hostile environment.

Veedol Atransol 68 ZF exhibits a very high viscosity index and low pour point making it ideal as all weather type oil. It possesses excellent anti-wear and anti-oxidation property that helps extend oil life.

Veedol Atransol 68 ZF with its ashless chemistry makes it suitable for use in environmentally sensitive areas where watercourse or aquifer sensitivity exists or where legislation requires the use of ashless hydraulic oils.

Performance Specifications:

Meets & exceeds the performance requirements of

- Denison HF-0
- Eaton M-2950-S
- FIVES (formerly MAG) P69
- DIN 51524 part II
- ISO 11158
- ASTM D6158
- SAE MS 1004
- Bosch Rexroth RE 90220
- GM LS-2
- Conestoga pump test ISO 20763

Features/Benefits:

- Extended drain interval & extra protection to hydraulic system components.
- Super clean oil improves filterability and protection of critical components having tight tolerances.
- Superior wear protection delivering maximized equipment life and reduced maintenance cost.
- Being a high performance shear stable, multi-grade hydraulic oil, reduces breakdown in high pressure/high load hydraulic systems operating over a wide temperature range.
- Improved protection and extended life of yellow metal parts of the equipment.
- Excellent resistance to oxidation thereby giving longer service life.



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Application:

- Veedol Atransol 68 ZF is recommended as fluid media for hydraulic systems of heavy duty concreting & earthmoving machinery, even under severe operating conditions in stationary and mobile equipment.
- Also suitable for circulation, splash bath and ring oiling system bearings (both plain and anti-friction) and gears of industrial machinery that requires a long life lubricant.

Typical Properties:

| Test Parameter | ASTM Test Method | Typical Value |
|-----------------------------------|------------------|---------------|
| Kinematic Viscosity, @ 40°C, cSt | ASTM D 445 | 66.40 |
| Kinematic Viscosity, @ 100°C, cSt | ASTM D 445 | 10.34 |
| Viscosity Index | ASTM D 2270 | 142 |
| Flash Point (COC), °C | ASTM D 92 | 266 |
| Pour Point, °C | ASTM D 97 | -39 |
| Demulsibility @ 54 °C, mins | ASTM D 1401 | 8 |
| Air Release Value @ 50 °C, mins | ASTM D 3427 | 4 |
| Cu-Corrosion @ 100 °C, 3 hrs | ASTM D 130 | 1a |
| Rust Test | ASTM D 665 | Passes |

Properties mentioned above are typical only and minor variations which do not affect the product performances, are to be expected in normal manufacturing.