



TECHNICAL DATA SHEET

SANTOTRAC® 50 TRACTION FLUID

SANTOTRAC® 50 Traction Fluid is a low viscosity synthetic hydrocarbon-based traction fluid that is especially designed for applications where low to medium film strength is desired. This product has high coefficient of traction and is fortified with a proprietary additive system to enhance its antiwear and extreme load-carrying and high temperature properties. This fluid is approved for use in and around food manufacturing machinery where there is no chance of food contamination. SANTOTRAC® 50 is essentially nontoxic, especially when proper hygienic practices are followed.

PRODUCT ATTRIBUTES

- ◆ High Traction Coefficient
- ◆ Corrosion and Rust Resistance
- ◆ H2 Credentials for Use in or around Food Manufacturing Machinery
- ◆ Excellent Load Carrying Capacity
- ◆ Excellent Thermal and Oxidative Stability
- ◆ Prolonged Fatigue Life of Rolling Elements

TYPICAL PHYSICAL AND PERFORMANCE PROPERTIES¹

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|---|--------|---|------------|
| Viscosity at 40°C – ASTM D 445, cSt | 28-38 | 4-Ball Wear Test – ASTM D 2266 [1500rpm, 40Kg, 2h], Scar Diameter, mm | 0.51 |
| Low-temperature Viscosity at -30°C – ASTM D 341, cSt | 36,100 | Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308) [121°C, 168h] | |
| Pour Point – ASTM D 97, °C | -42 | <i>Metal Wt Change, mg</i> | -0.9 to 0 |
| Flash point – ASTM D 92, °C | > 150 | <i>TAN Change</i> | < 0.54 |
| Fire Point – ASTM D 92, °C | 174 | <i>Viscosity Change at 40°C</i> | -6.5 |
| Coefficient of Traction [1,500 rpm, 92.5 Kg/mm ²], Average Value | 0.1 | Foam Test – ASTM D 892 | |
| Shear Stability – ASTM D 5621 Viscosity Loss, % | 2.64 | <i>Seq. 1 (75°F)</i> | 0/0 |
| Surface Tension at 100°F, Dyne/cm | 23.0 | <i>Seq. 2 (200°F)</i> | 22/0 |
| Total Acid Number – ASTM D 664 [mg KOH/g] | 0.96 | <i>Seq. 3 (75°F)</i> | 0/0 |
| Rust – ASTM D 665A | None | Elastomer Compatibility – ASTM D 471 [Viton, Silicone, Teflon, Buna N] | Pass |
| Copper Corrosion – ASTM D 130 [100 °C, 3h] | 1a | Bearing Metals (Steel/Copper) Compatibility | Pass |
| Falex – ASTM D 3233, lbs to Fail | 1000 | Operating Temp Range, °F | -30 to 300 |

¹ Please note that these data are typical of samples tested in the laboratory and are not to be considered as sales specifications.