



TECHNICAL DATA SHEET

SANTOTRAC® 32 TRACTION FLUID

SANTOTRAC® 32 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 product is especially useful in operating environments that requires enhanced oxidation stability and increased protection against rust and corrosion. SANTOTRAC® 32 is essentially nontoxic, especially when proper hygienic practices are followed.

PRODUCT ATTRIBUTES

- ◆ High Traction Coefficient
- ◆ Improved Rust and Corrosion Resistance
- ◆ Broad-temperature Oxidation Performance
- ◆ 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 | 28-36 | 4-Ball Wear Test – ASTM D 2266 [1500rpm, 40Kg, 2h], Scar Diameter, mm | 0.43 |
| Low-temperature Viscosity at -30°C – ASTM D 341, cSt | 37,400 | Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308) [121°C, 168h] | |
| Pour Point – ASTM D 97, °C | -35 | Metal Wt Change, mg | None |
| Flash point – ASTM D 92, °C | 154 | TAN Change | < 0.2 |
| Fire Point – ASTM D 92, °C | 174 | Viscosity Change at 40°C | < 3 |
| 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, % | 3.5 | Seq. 1 (75°F) | 0/0 |
| Surface Tension at 100°F, Dyne/cm | 25.0 | Seq. 2 (200°F) | 25/0 |
| Total Acid Number – ASTM D 664 [mg KOH/g] | 0.96 | Seq. 3 (75°F) | 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.