SANTOLUBES
SANTOTRAC

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 PROPERTIES[1]

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	*Metal Wt Change, mg*	-0.9 to 0
Flash point – ASTM D 92, °C	> 150	*TAN Change*	< 0.54
Fire Point – ASTM D 92, °C	174	*Viscosity Change at 40°C*	-6.5
Coefficient of Traction [1,500 rpm, 92.5 Kgf/mm^2], Average Value	0.1	**Foam Test – ASTM D 892**	
Shear Stability – ASTM D 5621 Viscosity Loss, %	2.64	*Seq. 1 (75°F)*	0/0
Surface Tension at 100°F, Dyne/cm	23.0	*Seq. 2 (200°F)*	22/0
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.

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