



TECHNICAL DATA SHEET

SANTOTRAC® 332-FG H1 FOOD GRADE TRACTION FLUID

SANTOTRAC® 332-FG Traction Fluid is a low viscosity synthetic hydrocarbon-based traction fluid that is especially designed for use in high-speed operations 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 require enhanced oxidation stability and increased protection against rust and corrosion. SANTOTRAC® 332-FG carries H1 credentials hence its incidental contact with food and drugs during manufacture must not be of concern. This fluid is essentially nontoxic, especially when normal hygienic practices are followed.

PRODUCT ATTRIBUTES

- ◆ High Traction Coefficient
- ◆ H1 Credentials for Use in Food and Drug-manufacturing Machines
- ◆ 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

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
Brookfield Viscosity at -30°C – ASTM D 2983, cP	37,400	Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308) [121°C, 168h]	
Pour Point – ASTM D 97, °C	-35	<i>Metal Wt Change, mg</i>	-0.9 to 0
Flash point – ASTM D 92, °C	154	<i>TAN Change</i>	0.3
Fire Point – ASTM D 92, °C	174	<i>Viscosity Change at 40°C</i>	2
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	<i>Seq. 1 (75°F)</i>	0/0
Surface Tension at 100°F, Dyne/cm	25.5	<i>Seq. 2 (200°F)</i>	22/0
Total Acid Number – ASTM D 664 [mg KOH/g]	1.2	<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	1200	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.