



## 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 PROPERTIES<sup>1</sup>

<b>Viscosity at 40°C – ASTM D 445, cSt</b>	28-36	<b>4-Ball Wear Test – ASTM D 2266</b> [1500rpm, 40Kg, 2h], Scar Diameter, mm	0.43
<b>Low-temperature Viscosity at -30°C – ASTM D 341, cSt</b>	37,400	<b>Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308)</b> [121°C, 168h]	
<b>Pour Point – ASTM D 97, °C</b>	-35	<i>Metal Wt Change, mg</i>	None
<b>Flash point – ASTM D 92, °C</b>	154	<i>TAN Change</i>	< 0.2
<b>Fire Point – ASTM D 92, °C</b>	174	<i>Viscosity Change at 40°C</i>	< 3
<b>Coefficient of Traction</b> [1,500 rpm, 92.5 Kg/mm <sup>2</sup> ], Average Value	0.1	<b>Foam Test – ASTM D 892</b>	
<b>Shear Stability – ASTM D 5621</b> Viscosity Loss, %	3.5	<i>Seq. 1 (75°F)</i>	0/0
<b>Surface Tension at 100°F, Dyne/cm</b>	25.0	<i>Seq. 2 (200°F)</i>	25/0
<b>Total Acid Number – ASTM D 664</b> [mg KOH/g]	0.96	<i>Seq. 3 (75°F)</i>	0/0
<b>Rust – ASTM D 665A</b>	None	<b>Elastomer Compatibility – ASTM D 471</b> [Viton, Silicone, Teflon, Buna N]	Pass
<b>Copper Corrosion – ASTM D 130</b> [100 °C, 3h]	1a	<b>Bearing Metals (Steel/Copper) Compatibility</b>	Pass
<b>Falex - ASTM D 3233, lbs to Fail</b>	1000	<b>Operating Temp Range, °F</b>	-30 to 300

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