



## TECHNICAL DATA SHEET

### SANTOTRAC® 2080A TRACTION FLUID

SANTOTRAC® 2080A 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 require enhanced oxidation stability and increased protection against rust and corrosion. SANTOTRAC® 2080A 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
- ◆ Outstanding Thermal and Oxidative Stability
- ◆ Prolonged Fatigue Life of Rolling Elements

#### TYPICAL PHYSICAL AND PERFORMANCE PROPERTIES<sup>1</sup>

<b>Viscosity at 40°C, cSt</b>	18.0	<b>4-Ball Wear Test – ASTM D 2266</b> [1500rpm, 40Kg, 2h], Scar Diameter, mm	0.85
<b>Viscosity at 100°C – ASTM D 445, cSt</b>	3.5	<b>Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308)</b> [121°C, 168h]	
<b>Pour Point – ASTM D 97, °C</b>	-45	<i>Metal Wt Change, mg</i>	None
<b>Flash point – ASTM D 92, °C</b>	158	<i>TAN Change</i>	0.1
<b>Fire Point – ASTM D 92, °C</b>	170	<i>Viscosity Change at 40°C</i>	4
<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, %	1	<i>Seq. 1 (75°F)</i>	0/0
<b>Total Acid Number – ASTM D 664</b> [mg KOH/g]	0.1	<i>Seq. 2 (200°F)</i>	20/0
<b>Rust – ASTM D 665A</b>	None	<i>Seq. 3 (75°F)</i>	0/0
<b>Copper Corrosion – ASTM D 130</b> [100 °C, 3h]	1a	<b>Elastomer Compatibility – ASTM D 471</b> [Viton, Silicone, Teflon, Buna N]	Pass
<b>Aniline Point, °C</b>	76	<b>Operating Temp Range, °F</b>	-40 to 330
<b>Metals (Steel/Copper) Compatibility</b>	Pass		

<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.