



TECHNICAL DATA SHEET

SANTOLUBE® 32 LUBRICATING FLUID

SANTOLUBE® 32 Lubricating 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 environment that requires enhanced oxidation stability and increased protection against rust and corrosion. SANTOLUBE® 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

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.