

SANTOLUBES

SANTOLUBE

Technical Data Sheet

SANTOLUBE® 100J LUBRICATING FLUID

SANTOLUBE® 100 Lubricating Fluid is a medium viscosity synthetic hydrocarbon-based traction fluid that is especially designed for applications where medium to high 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. SANTOLUBE® 100J is essentially nontoxic, especially when proper hygienic practices are followed.

PRODUCT ATTRIBUTES

- ◆ High Traction Coefficient
- ◆ Corrosion and Rust Resistance
- ◆ Extended Fatigue Life of Rolling Elements
- ◆ Excellent Load Carrying Capacity
- ◆ Excellent Thermal and Oxidative Stability

TYPICAL PHYSICAL AND PERFORMANCE PROPERTIES¹

Viscosity at 40°C – ASTM D 445, cSt	100	4-Ball Wear Test – ASTM D 2266 [1500rpm, 40Kg, 2h], Scar Diameter, mm	0.55
Low-temperature Viscosity at -30°C – ASTM D 341, cSt	75,000	Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308) [121°C, 168h]	
Pour Point – ASTM D 97, °C	-30	Metal Wt Change, mg	-0.3 to 0
Flash point – ASTM D 92, °C	160	TAN Change	1.5
Fire Point – ASTM D 92, °C	175	Viscosity Change at 40°C	17
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, %	15	Seq. 1 (75°F)	0/0
Surface Tension at 100°F, Dyne/cm	30	Seq. 2 (200°F)	22/0
Total Acid Number – ASTM D 664 [mg KOH/g]	1	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	1300	Operating Temp Range, °F	-20 to 350
Aniline Point – ASTM D 611, °C	78		

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