



Technical Data Sheet

SANTOLUBE® 220 LUBRICATING FLUID

SANTOLUBE® 220 Lubricating Fluid is a high viscosity synthetic hydrocarbon-based traction fluid that is especially designed for applications where 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® 220 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	215	Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308) [121°C, 168h]	
Pour Point – ASTM D 97, °C	-14	<i>Metal Wt Change, mg</i>	0
Flash point – ASTM D 92, °C	165	<i>TAN Change</i>	0.1
Fire Point – ASTM D 92, °C	175	<i>Viscosity Change at 40°C</i>	4
Coefficient of Traction [1,500 rpm, 92.5 Kgf/mm²], Average Value	0.09	Foam Test – ASTM D 892	
Shear Stability – ASTM D 5621 Viscosity Loss, %	20	<i>Seq. 1 (75°F)</i>	15/0
Total Acid Number – ASTM D 664 [mg KOH/g]	0.7	<i>Seq. 2 (200°F)</i>	20/0
Rust – ASTM D 665A	None	<i>Seq. 3 (75°F)</i>	0/0
Copper Corrosion – ASTM D 130 [100 °C, 3h]	1a	Elastomer Compatibility – ASTM D 471 [Viton, Silicone, Teflon, Buna N]	Pass
Falex – ASTM D 3233, lbs to Fail	1400	Bearing Metals (Steel/Copper) Compatibility	Pass
Aniline Point – ASTM D 611, °C	77	Operating Temp Range, °F	7 to 330
4-Ball Wear Test – ASTM D 2266 [1500rpm, 40Kg, 2h], Scar Diameter, mm	0.45		

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