

LUBBStock™ 150N

Naphthenic Bright Stock

This severely hydrotreated naphthenic process oil provides excellent color stability and low volatility. It passes the IP 346 labeling requirement.

TEST DESCRIPTION	TEST METHOD	TYPICAL VALUE
Physical Properties		
Viscosity, SUS @ 1000°F (37.8°C)	ASTM D445	3204
Viscosity, cSt @ 210°F (89.9°C)	ASTM D445	161.0
Viscosity, cSt @ 40°C (104°F)	ASTM D341	601
Viscosity, cSt @ 100°C (212°F)	ASTM D341	3.14
API Gravity, 60°F (15.6°C)	ASTM D1250	25.4
Specific Gravity, 60°F (15.6°C)	ASTM D4052	0.9014
Viscosity Index	ASTM D2270	85
Viscosity-Gravity Constant	ASTM D2501	0.8426
Density, lbs/gal @ 60°F	ASTM D1250	7.511
Molecular Weight	ASTM D2502	627
Flash Point, COC, °F (°C)	ASTM D92	565 (296)
Color, ASTM	ASTM D6045	2.0
Pour Point, °F (°C)	ASTM D5949	25 (-4)
Volatility, wt%, 225°F (Evap. Loss)	ASTM DD972	0.05
Water Content	WTP-OP-001	PASS
Appearance	WTP-OP-020	PASS
Chemical Properties		
Conradson Carbon Residue, wt%	ASTM D4530	0.2
Acid Number, mg KOH/G	ASTM D664	0.01
Aniline Point, °F (°C)	ASTM D611	261.0 (127.0)
Sulfur, wt%	ASTM D4294	0.015
Sulfur, ppm	ASTM D4294	150
Refractive Index, 20°C (68°F)	ASTM D1218	1.4943
UV Absorptivity @ 260 nm	ASTM D2008	1.16
Clay-Gel, wt%		
Asphaltenes		<0.01
Polar Compounds		2.3
Aromatics		34.6
Saturates		63.1
Carbon Type Analysis, %	ASTM D2140	
Ca		3
Cn		30
Cp		67
Health and Safety Properties		
Polycyclic Aromatic Compounds, wt%	IP 346	<3
Modified Ames Assay	ASTM E1687	PASS
FDA Regulation	21 CFR 178.3620	PASS