

## LUBND<sup>™</sup> 300 PALE OIL

This severely hydro treated naphthenic base oil is primarily used in the metal working and compounder blending industries. It has a low pour point, a low odor level, excellent color, and resistance to discoloration by heat or ultraviolet light.

TEST DESCRIPTION	TEST METHOD	MARKETING SPECIFICATIONS		MARKETING VALUES
Physical properties		Min	Max	
Viscosity SUS@ 100°F(37.8°C)	ASTM D 445	300	320	310
Viscosity SUS@ 210°F(98.9°C)	ASTM D 445			48.3
Viscosity cSt@ 40°C (104°F)	ASTM D 341			59.1
Viscosity cSt@ 100°C(212°F)	ASTM D 341			6.6
API Gravity, 60 °F (15.6 °C)	ASTM D 1250			23.3
Specific Gravity, 60°F (15.6°C)	ASTM D 4052			0.9141
Viscosity Gravity Constant	ASTM D 2501			0.8621
Density, lbs/gal @ 60°F	ASTM D 1250			7.612
Molecular Weight	ASTM D 2502			362
Flash Point COC °F (°C)	ASTM D 92	350(177)		395(202)
Color ASTM	ASTM D 6045		1.5	L1.0
Pour Point °F(°C)	ASTM D 5949		0 (-18)	-34 (-37)
Water Content	ERTM-1	PASS		PASS
Appearance	ERTM-2	PASS		PASS
Chemical Properties				
Acid Number, mg KOH/g	ASTM D 664		0.05	0.01
Aniline Point, °F (°C)	ASTM D 611	175.0 (79.4)	195.0(90.6)	182 (83.3)
Sulfur, wt%	ASTM D 4294			0.054
Sulfur, ppm	ASTM D 4294			540
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay	ASTM E 1687	PASS		PASS