

HyGold L751

Naphthenic Base Oil Marketing Specification

This severely hydrotreated naphthenic base oil is primarily used in the metalworking 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	SPECIFICATIONS		TYPICAL VALUES
		MIN	MAX	
Physical Properties				
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161	750	800	778
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			65.7
Viscosity, cSt at 40°C (104°F)	ASTM D445	140	150	146
Viscosity, cSt at 100°C (212°F)	ASTM D445			11.4
API Gravity, 60°F (15.6°C)	ASTM D1250			22.5
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9191
Viscosity-Gravity Constant	ASTM D2501			0.856
Density, lbs/gal at 60°F	ASTM D1250			7.661
Density at 15.6°C, g/cm ³	ASTM D1250			0.9179
Molecular Weight	ASTM D2502			450
Flash Point, COC, °F (°C)	ASTM D92	388 (198)		412 (211)
Flash Point, PMCC, °F (°C)	ASTM D93			403 (206)
Color, ASTM	ASTM D6045		3.5	L2.5
Pour Point, °F (°C)	ASTM D5949		10 (-12)	-7 (-22)
Water Content	ASTM D7546M		PASS	PASS
Appearance	ASTM D4176M		PASS	PASS
Chemical Properties				
Acid Number, mg KOH/g	ASTM D664		0.05	0.01
Aniline Point, °F (°C)	ASTM D611	190 (88)	205 (96)	198 (92)
Sulfur, ppm	ASTM D4294			640
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyGold L751 is a product of Ergon Refining, Inc.
January 5, 2017