

## HyGold MVI 150BS

### 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	
<b>Physical Properties</b>				
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161			3722
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161	130	180	161
Viscosity, cSt at 40°C (104°F)	ASTM D445			680
Viscosity, cSt at 100°C (212°F)	ASTM D445	26.0	37.0	32.8
Viscosity Index	ASTM D2270			76
API Gravity, 60°F (15.6°C)	ASTM D1250			23.2
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9144
Viscosity-Gravity Constant	ASTM D2501			0.827
Density, lbs/gal at 60°F	ASTM D1250			7.615
Density at 15.6°C, g/cm <sup>3</sup>	ASTM D1250			0.9135
Molecular Weight	ASTM D2502			625
Flash Point, COC, °F (°C)	ASTM D92	500 (260)		516 (269)
Flash Point, PMCC, °F (°C)	ASTM D93	410 (210)		469 (243)
Color, ASTM	ASTM D6045		4.0	L2.5
Pour Point, °F (°C)	ASTM D5950		45 (7)	36 (2)
Cloud Point, °F (°C)	ASTM D2500			70 (21)
Water Content	ASTM D7546M	PASS		PASS
Appearance	ASTM D4176M	PASS		PASS
<b>Chemical Properties</b>				
Acid Number, mg KOH/g	ASTM D664		0.05	0.01
Aniline Point, °F (°C)	ASTM D611	220 (104)	258 (125)	243 (117)
Sulfur, ppm	ASTM D4294			695
<b>Health and Safety Properties</b>				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyGold MVI 150BS is a product of Ergon Refining, Inc.  
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