

HyGold MVI 2000

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	2000	2400	2105
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			113
Viscosity, cSt at 40°C (104°F)	ASTM D445	369	441	388
Viscosity, cSt at 100°C (212°F)	ASTM D445			22.5
Viscosity Index	ASTM D2270			66
API Gravity, 60°F (15.6°C)	ASTM D1250			23.1
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9151
Viscosity-Gravity Constant	ASTM D2501			0.836
Density, lbs/gal at 60°F	ASTM D1250			7.621
Density at 15.6°C, g/cm ³	ASTM D1250			0.9143
Molecular Weight	ASTM D2502			565
Flash Point, COC, °F (°C)	ASTM D92	446 (230)		478 (248)
Flash Point, PMCC, °F (°C)	ASTM D93			448 (231)
Color, ASTM	ASTM D6045		4.0	L2.0
Pour Point, °F (°C)	ASTM D5949		26 (-3)	14 (-10)
Cloud Point, °F (°C)	ASTM D2500			5 (-15)
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	220 (104)	240 (116)	230 (110)
Sulfur, ppm	ASTM D4294			606
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyGold MVI 2000 is a product of Ergon Refining, Inc.
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