

HyGold 5000BS

Naphthenic Base Oil Marketing Specification

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

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL VALUES
		MIN	MAX	
Physical Properties				
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161			5128
Viscosity, SUS at 140°F (60°C)	ASTM D2161			1196
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161	179	229	208
Viscosity, cSt at 40°C (104°F)	ASTM D445			936
Viscosity, cSt at 100°C (212°F)	ASTM D445	37.0	47.0	42.5
API Gravity, 60°F (15.6°C)	ASTM D1250			23.5
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.9127
Viscosity Index	ASTM D2270	80		82.1
Viscosity-Gravity Constant	ASTM D2501			0.812
Density, lbs/gal at 60°F	ASTM D1250			7.601
Density at 15.6°C, g/cm ³	ASTM D1250			0.9118
Flash Point, COC, °F (°C)	ASTM D92	540 (283)		563 (295)
Color, ASTM	ASTM D6045		4.0	L2.5
Pour Point, °F (°C)	ASTM D5949		43 (6)	14 (-10)
Water Content	ASTM D7546M	PASS		PASS
Appearance	ASTM D4176M	PASS		PASS
Chemical Properties				
Acid Number, mg KOH/g	ASTM D664			0.01
Aniline Point, °F (°C)	ASTM D611	239 (115)	266 (130)	252 (122)
Sulfur, ppm	ASTM D4294			505
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1

HyGold 5000BS is a product of Ergon Refining, Inc.
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