

# BOER MVI 750

## Naphthenic Base Oil

This severely hydrotreated 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	SPECIFICATIONS		MARKETING VALUES	
		Min	Max		
<b>Physical Properties</b>					
1	Viscosity, SUS at 100°F(37.8°C)	ASTM D 445	730	800	769
2	Viscosity, SUS at 210°F(98.9°C)	ASTM D 445			65.4
3	Viscosity, cSt at 40°C(104°F)	ASTM D 341			144.0
4	Viscosity, cSt at 100°C(212°F)	ASTM D 341			11.3
5	Viscosity Index	ASTM 2270			47.0
6	API Gravity, 60°F(15.6°C)	ASTM D 1250			23.1
7	Specific Gravity, 60°F(15.6°C)	ASTM D 4052			0.9152
8	Viscosity- Gravity Constant	ASTM D 2501			0.8510
9	Density, lbs/gal at 60°F	ASTM D 1250			7.622
10	Molecular Weight	ASTM D 2502			435
11	Flash Point, COC, °F(°C)	ASTM D 92	385(196)		430(221)
12	Flash Point, PMCC, °F(°C)	ASTM D 93			424(218)
13	Color, ASTM	ASTM D 6045		2.5	1.5
14	Pour Point, °F(°C)	ASTM D 5949		12(-11)	-15(-29)
15	Cloud Point, °F(°C)	ASTM D 2500			6(-1.5)
16	Water Content	ERTM-1	PASS		PASS
<b>Chemical Properties</b>					
1	Acid Number, mg KOH/g	ASTM D 664		0.05	0.01
2	Aniline Point, °F(°C)	ASTM D 611	193(89)	209(98)	201(93.9)
3	Sulfur, wt%	ASTM D 4294			0.070
4	Sulfur, ppm	ASTM D 4294			701

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