BOER L200

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	
	Physical Properties				
1	Viscosity,SUS at 100℉(37.8℃)	ASTM D 445	200	215	209
2	Viscosity,SUS at 210℉(98.9℃)	ASTM D 445			43.5
3	Viscosity,cSt at 40℃(104℉)	ASTM D 341			39.9
4	Viscosity,cSt at 100℃(212℉)	ASTM D 341			5.1
5	API Gravity,60℉(15.6℃)	ASTM D 1250			23.8
6	Specific Gravity,60℉(15.6℃)	ASTM D 4052			0.9111
7	Viscosity- Gravity Constant	ASTM D 2501			0.8638
8	Density,lbs/gal at 60℉	ASTM D 1250			7.587
9	Molecular Weight	ASTM D 2502			333
10	Flash Point,COC,℉(℃)	ASTM D 92	340(171)		375(191)
11	Color,ASTM	ASTM D 6045		1.5	L1.0
12	Pour Point,℉(℃)	ASTM D 5949		-10(-23)	-40(-40)
13	Water Content	ERTM-1	PASS		PASS
14	Appearance	ERTM-2	PASS		PASS
	Chemical Properties				
1	Acid Number,mg KOH/g	ASTM D 664		0.05	0.01
2	Aniline Point, ℉(℃)	ASTM D 611	170.0(76.7)	190.0(87.8)	177.0(80.6)
3	Sulfur,wt%	ASTM D 4294			0.041
4	Sulfur,ppm	ASTM D 4294			410
	Health and Safety Properties				
1	Polycyclic Aromatic Compounds,wt%	IP 346		3	＜3
2	Modified Ames Assay	ASTM E 1687	PASS		PASS

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