BOER L1200

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°F(37.8℃)	ASTM D 445	1200	1300	1236
2	Viscosity,SUS at 210°F(98.9℃)	ASTM D 445			77.7
3	Viscosity,cSt at 40℃(104°F)	ASTM D 341			228
4	Viscosity,cSt at 100℃(212°F)	ASTM D 341			14.4
5	API Gravity,60°F(15.6℃)	ASTM D 1250			22.2
6	Specific Gravity,60°F(15.6℃)	ASTM D 4052			0.9206
7	Viscosity- Gravity Constant	ASTM D 2501			0.8527
8	Density,lbs/gal at 60°F	ASTM D 1250			7.666
9	Molecular Weight	ASTM D 2502			459
10	Flash Point,COC,°F(℃)	ASTM D 92	400(204)		470(243)
11	Color,ASTM	ASTM D 6045		3.0	L2.5
12	Pour Point,°F(℃)	ASTM D 5949		25(-4)	-3(-19)
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, °F(℃)	ASTM D 611	195.0(90.6)	210.0(98.9)	201.7(94.3)
3	Sulfur,wt%	ASTM D 4294			0.079
4	Sulfur,ppm	ASTM D 4294			790
Health and Safety Properties					
1	Polycyclic Aromatic Compounds,wt%	IP 346		3	< 3
2	Modified Ames Assay	ASTM E 1687	PASS		PASS