BOER V175BS

Base Oil

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

	TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		MARKETING VALUES
			Min	Max	
	Physical Properties				
1	Viscosity,SUS at 100°F(37.8℃)	ASTM D 341			5091
2	Viscosity,SUS at 140°F(60℃)	ASTM D 445			1166
3	Viscosity,SUS at 210°F(98.9℃)	ASTM D 445	179.0	229.0	204.0
4	Viscosity,cSt at 40℃	ASTM D 341			928
5	Viscosity,cSt at 100℃	ASTM D 341			42
6	API Gravity,60°F(15.6℃)	ASTM D 1250			23.9
7	Specific Gravity,60°F(15.6℃)	ASTM D 4052			0.9106
8	Viscosity Index	ASTM D 2270			81
9	Viscosity- Gravity Constant	ASTM D 2501			0.8150
10	Density,lbs/gal at 60°F	ASTM D 1250			7.589
11	Molecular Weight	ASTM D 2502			732
12	Flash Point,COC,°F(℃)	ASTM D 92	540(283)		580(304)
13	Color,ASTM	ASTM D 6045		4.0	2.0
14	Pour Point,°F(℃)	ASTM D 5949		60(16)	40(4)
15	Noack Volatility, wt%	ASTM D 5800			1.2
16	Water Content	ERTM-1	PASS		PASS
17	Appearance	ERTM-2	PASS		PASS
	Chemical Properties				
1	Conradson Carbon Residue, wt%	ASTM D 4530			0.40
2	Acid Number,mg KOH/g	ASTM D 664			0.01
3	Aniline Point, °F(℃)	ASTM D 611	245(118)	265(129)	254(123)
4	Sulfur,wt%	ASTM D 4294			0.0540
5	Sulfur,ppm	ASTM D 4294			540
6	Clay-Gel, wt%	ASTM D 2007			
7	Saturates				65.6
	Health and Safety Properties				
1	Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
2	Modified Ames Assay	ASTM E 1687	PASS		PASS