VINSON
TRADING CORP.

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Ciudad de Panamá, República de Panamá

BS 150

Paraffinic Base Oil Marketing Specification

TEST DESCRIPTION	TEST METHOD	SPECIFICATIONS		TYPICAL VALUES
Physical Properties		**MIN**	**MAX**	
Viscosity, SUS at 100°F (37.8°C)	ASTM D2161	137	161	150
Viscosity, SUS at 210°F (98.9°C)	ASTM D2161			43.6
Viscosity, cSt at 40°C (104°F)	ASTM D445	26.4	31.2	29.1
Viscosity, cSt at 100°C (212°F)	ASTM D445			5.2
API Gravity, 60°F (15.6°C)	ASTM D1250			33.5
Specific Gravity, 60°F (15.6°C)	ASTM D4052			0.8575
Viscosity Index	ASTM D2270	94		107
Viscosity-Gravity Constant	ASTM D2501			0.801
Density, lbs/gal at 60°F	ASTM D1250			7.146
Density at 15.6°C, g/cm³	ASTM D1250			0.8568
Molecular Weight	ASTM D2502			401
Flash Point, COC, °F (°C)	ASTM D92	379 (193)		430 (221)
Flash Point, PMCC, °F (°C)	ASTM D93			414 (212)
Color, ASTM	ASTM D6045		1.5	L0.5
Pour Point, °F (°C)	ASTM D5949		18 (-8)	2 (-16)
Cloud Point, °F (°C)	ASTM D5773			7 (-14)
Noack Volatility, wt%	ASTM D5800			16.2
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	223 (106)	237 (114)	232 (111)
Sulfur, ppm	ASTM D7220			6
Health and Safety Properties				
Polycyclic Aromatic Compounds, wt%	IP 346		3	<3
Modified Ames Assay, MI	ASTM E1687		1	<1
FDA Regulation	21 CFR 178.3620 (C)	PASS		PASS