



Polyalphaolefin (PAO) 6 cSt - Option A
PRODUCT INFORMATION
(Axxess PAO 6 – Option A)

Routine Properties	Specification Range	Test Method
Viscosity cSt 100°C	5.7 – 6.1	ASTM D-445
Viscosity cSt -40°C	8,200 max	ASTM D-445
Pour Point °C	-60 max	ASTM D-97
Flash Point °C	225 min	ASTM D-92
Specific Gravity 15.6/15.6°C (60/60°F)	0.825 – 0.829	ASTM D-4052
Bromine Number, g Br ₂ /100g	0.4 max	IP-129
Total Acid Number, mg KOH/g	0.01 max	ASTM D-974
Moisture, ppm	25 max	ASTM D-3401
Noack Volatility 250°C, 1 hr, %wt., Evap	9max	DIN 51581
Color	0.5 max	ASTM D-1500
Typical Properties	Typical	Test Method
Appearance	Clear & Bright	Observation
Viscosity, cSt, 40°C	29 - 33	ASTM D-445
Viscosity, cSt, 125°C	3.8	ASTM D-445
Viscosity, cSt, 150°C	2.7	ASTM D-445
Viscosity, cSt, 200°C	1.8	ASTM D-445
Viscosity, cSt, -18°C	901	ASTM D-445
Viscosity Index	135	ASTM D-2270
Brookfield Viscosity, cP, -40°C	6,950	
Cold Cranking Simulator, cP, -25°C	1,300	
Density (lb/gal)	6.89	
Molecular Weight	554	GC (Calculated)
DSC, Oxidative Onset Temperature, °C	192	
DSC, Energy kJ/kg	12.4	
Aniline Point, °C (F°)	129.6 (265)	ASTM D-611
Dielectric Constant, 23°C, 1.0 & 1000 KHz	2.118	

Date 1/15/2010

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