

TECHNICAL DATA

HYDROTREATED BASE OIL SPECIFICATIONS

PROPERTY	ASTM Method	BASE OIL					
		100N		150N		450N	
Product Code	--	10179		10180		10181	
API Category	--	Group II		Group II		Group II	
		max / min	typical	max / min	typical	max / min	typical
Density, 15°C	D1298	--	0.850	--	0.854	--	0.864
Gravity, °API	calc.	--	35.0	--	34.0	--	32.1
Flash Point, °C	D92	180 min	204	190 min	216	225 min	260
Viscosity	D445						
cSt @ 40°C		18.0 - 19.8	19.2	--	27.0	--	77.2
cSt @ 100°C		--	4.0	4.8 - 5.2	5.0	9.5 - 11.0	9.9
Viscosity Index	D2270	95 min	104	95 min	111	95 min	108
Cold Cranking Simulator	D5293						
cP @ -20°C		--	--	--	--	--	8,900
cP @ -25°C		--	--	--	2,450	--	--
cP @ -30°C		--	2,400	--	--	--	--
Pour Point, °C	D97	-12 max	-15	-7 max	-12	-7 max	-9
Volatility, NOACK, wt%	D5800C	--	23	--	15	--	2
Volatility @ 371°C, % loss	D2887	15% max	11	15% max	7	15% max	<1
Color	D1500	1.5 max	L1.0	1.5 max	L1.0	1.5 max	L1.5
Acid Number	D664	--	<0.01	--	<0.01	--	<0.01
Sulfur, wt%	ICP	0.03 max	0.01	0.03 max	0.01	0.03 max	0.02
Ash, mass%	D482	trace	<0.001	trace	<0.001	trace	<0.001
Hydrocarbon Types	D2007						
Saturates		90	93.0%	90	93.0%	90	90.6%
Aromatics		--	6.9%	--	6.9%	--	9.2%
Polars		--	0.1%	--	0.1%	--	0.2%

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