

VCS SN 60, 100, 220, and 600

CHARACTERISTICS

Parameter	Method	SN 60		SN 100		SN 220		SN 600	
		Spec	Typical	Spec Group	Typical	Spec Group	Typical	Spec	Typical
API Base Stock Group (API 1509 E.1.3)				II		II		Group II	
Viscosity, Kinematic									
cSt @ 100°C	D445		2.61	3.8 min	4.16	6.1 min	6.49	11.7 min	12.0
cSt @ 40°C	D445	9.0 - 11.0	10.63	18.0 - 22.0	20.4	40.0 - 46.0	42.3	107 - 120	109
SUS @ 100°F	Calculated		64		106		218		569
Viscosity Index	D2270			95 min	105	95 min	104	95 min	98
Sulfur, ppm	D2622	300 max	< 10	300 max	< 10	300 max	< 10	300 max	< 25
Aromatics, wt %	Motiva	2.0 max	1.0	2.0 max	1.5	2.0 max	1.5	7.0 max	6.0
Volatility									
NOACK, wt%	D5800 (B)			28.0 max	22.5	13.0 max	10.4		2.4
GC, Sim Dist at 700°F, %	D6417			17.0 max	12.0	7.0 max	4.25		0.4
Dynamic Viscosity									
CCS @ -25°C, cP	D5293			1,550 max	1,238				
CCS @ -20°C, cP	D5293					3,900 max	3,087		
Brookfield ⁽¹⁾ @ -40°C, cP	Motiva				13,232				
Appearance	Visual	Clear & Bright		Clear & Bright		Clear & Bright		Clear & Bright	
Color, ASTM	D1500			1.0 max	LO.5	1.0 max	LO.5	1.0 max	LO.5
Color, Saybolt	D156	Report	+30						
Pour Point, °C	D5950	-33 max	-35	-12 max	-15	-12 max	-15	-12 max	-21
Flash Point, COC, °C	D92	170 min	172	199 min	207	216 min	226	250 min	263
API Gravity, °API	D4052	Report	32.1	Report	35.1	Report	32.3	Report	30.4
Specific Gravity, 60/60°F	D4052		0.8650		0.8495		0.8640		0.8740

⁽¹⁾Product tested with 0.25wt% PPD. Brookfield targeted to limit of 19,000 cP for SN 100.

Note - for SI units
 1 mm²/s = 1 cSt
 1 mPa s = 1 cP

NOTE: Values indicated are typical physical properties and are not specification limits. Seller offers no warranty, expressed or implied, concerning the suitability of this product for any particular purpose.



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