

Product specification

Item	Method	Unit	Gr.I		Gr.II											
			Gr.I 60N		150N		220N		600N		2cSt_L		2cst_H		150BS	
			Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical
ASTM Color	ASTM D1500		Max 0.5	L0.5	Max 0.5	L0.5	Max 0.5	L0.5	Max 0.5	L0.5	Max 0.5	L0.5	Max 0.5	L0.5	Max 0.5	L0.5
Viscosity @ 40°C	ASTM D445	mm ² /s	7.0~8.5	7.73		28.81		49.38	-	107.05		7.15		7.30		445.50
Viscosity @ 100°C	ASTM D445	mm ² /s		2.13	5.0~5.5	5.23	7.0~8.0	7.23	12.0~12.9	12.04	2.0~2.4	2.16	2.0~2.4	2.20		33.80
Viscosity Index	ASTM D2270		Min 60	61	Min 100	113	Min 98	105	Min 95	102		102		109	Min 105	111
Pour Point	ASTM D6749	°C		-11	Max -12	-17	Max -12	-16	Max -12	-14	Max -35	-43	Max -20	-28	Max -15	-18
Flash Point, COC	ASTM D92	°C	Min 145	155	Min 200	220	Min 222	235	Min 246	271	Min 150	158	Min 150	161	Min 250	262
Noack Volatility	ASTM D5800	wt%				13.8		6.8								
Aromatics	ASTM D3238	wt%		9.5	Max 1.0	0.0	Max 1.0	0.0	Max 1.0	0.0	Max 1.0	0.0	Max 1.0	0.0		
CCR	ASTM D189	wt%	Max 0.01	L0.01	Max 0.01	L0.01	Max 0.01	L0.01	Max 0.01	L0.01	Max 0.01	L0.01	Max 0.01	L0.01	Max 0.01	L0.01
TAN	ASTM D974	mgKOH/g	Max 0.05	0.004	Max 0.01	0.004	Max 0.01	0.003	Max 0.01	0.004	Max 0.01	0.005	Max 0.01	0.003		