

Typical Characteristics

SI No	Typical Properties	SPECIFICATION BY OLG				
		SAE 5W-40	SAE 5W-30	SAE 10W-40	SAE 15W-40	SAE 20W-50
1	Appearance (Visual)	Clear, Transparent	Clear, Transparent	Clear, Transparent	Clear, Transparent	Clear, Transparent
2	Colour (ASTM D 1500)	ASTM 2.5 MAX	ASTM 2.5 MAX	ASTM 2.5 MAX	ASTM 2.5-3.0	ASTM 2.5-3.0
3	Density @29.5 °C, GM/ML (ASTM D 1298)	0.835-0.85	0.835-0.85	0.865-0.875	0.878-0.882	0.880-0.885
4	Viscosity @ 40 °C, cSt (ASTM D 445)	80-90	60-70	95-105	100-110	150-170
5	Viscosity @100 °C, cSt (ASTM D 445)	13.5-14.5	11.0-12.0	14.0-14.8	14.5-15.0	18.0-19.0
6	Viscosity Index (ASTM D 2270)	>160	>150	>150	>140	>125
7	CCS Viscosity, cP (ASTM D 5293)	<6600 cP at -30 °C	<6600 cP at -30 °C	<7000 cP at -25 °C	<7000 Cp at -20 °C	<9500 cP at -15 °C
8	Pour point, °C (ASTM D 97)	-39	-39	-33	-27	-24
9	Flashpoint, °C (ASTM D 92 & 93)	>200	>200	>200	>210	>225
10	Total Base Number, Mg. KOH/GM (ASTM D 2896)	7.6	7.6	7.6	7.6	7.6
11	Sulfated Ash (Astm D 894)	<1.0	<1.0	<1.0	1-1.2	1-1.2
12	Foaming Character (ASTM D 892)	10 ML/ 5 ML	10 ML/ 5 ML	10 ML/ 5 ML	10 ML/ 5 ML	10 ML/ 5 ML
		20 ML/ 10 ML	20 ML/ 10 ML	20 ML/ 10 ML	20 ML/ 10 ML	20 ML/ 10 ML
		10 ML/ 5 ML	10 ML/ 5 ML	10 ML/ 5 ML	10 ML/ 5 ML	10 ML/ 5 ML
13	Performance Standards	• API SL/CF • ILSAC GF-3 • ACEA A3/B4, C3-2012 • MB 229.3 • VW 502.00, VW505.01 • Renault RN 0700/0710	• API SL/CF • ILSAC GF-3 • ACEA A3/B4, C3-2012 • MB 229.3 • VW 502.00, VW 505.01 • Renault RN 0700/0710	• API SL/CF • ILSAC GF-3 • ACEA A3/B4-2012, C3-08 • MB 229.3 • VW 504.00 • VW 505.01 • Renault RN 0700	• API SL/CF • ACEA A3/B3-08 • MB 229.1 • VW 501.00 • VW505.00	• API SL • ACEA A3/B3-08 • MB 229.1 • VW 501.00 • VW505.00