

GULFSTAR MATRIX XP

Petrol Engine Cars

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)	7.0 MIN	7.0 MIN	7.0 MIN	7.0 MIN	7.0 MIN
11	Sulfated Ash (Astm D 894)	<1.0	<1.0	<1.0	1.0-1.1	1.0-1.1
12	Foaming Character (ASTM D 892)	5 ML/ 0 ML	5 ML/ 0 ML	5 ML/ 0 ML	5 ML/ 0 ML	5 ML/ 0 ML
		10 ML/ 5 ML	10 ML/ 0 ML	10 ML/ 0 ML	10 ML/ 0 ML	10 ML/ 0 ML
		5 ML/ 0 ML	5 ML/ 0 ML	5 ML/ 0 ML	5 ML/ 0 ML	5 ML/ 0 ML
13	Performance Standards	MEETS OR EXCEEDS • API SM/CF • ILSAC GF-4 • ACEA A3/B4, C3-2012 • MB 229.3 • BMW LL-04, • VW 502.00, VW 505.01 • Renault RN 0700/0710	• API SM/CF • ILSAC GF-4 • ACEA A3/B4 , C3-2012 • MB 229.3 • BMW LL-04 • VW 502.00, VW -505.01 • Renault RN 0700/0710	• API SM/CF • ILSAC GF-4 • ACEA A3/B4-2012, C3-08 • MB 229.3 • VW 504.00 • VW 505.01 • Renault RN 0700	• API SM/CF • ACEA A3/B3-08 • MB 229.1 • VW 501.0 • VW505.0	• API SM/CF • ACEA A3/B3-08 • MB 229.1 • VW 501.0 • VW 505.0