

GULFSTAR GEAR HP-5

Gear Oil

Typical Characteristics

SI No	TESTS	TEST METHODS	UNITS	SPECIFICATION BY OLG				SAE 140
				SAE 75W-90	SAE 80W-90	SAE 90	SAE 85W-140	
1	Appearance	Visual	Visual Examination	Clear Transparent	Clear Transparent	Clear Transparent	Clear Transparent	Clear Transparent
2	Colour	ASTM D 1500	NO	ASTM 2.5	ASTM 2.5-3.0	ASTM 2.5-3.0	ASTM 3.0-3.5	ASTM 3.0-3.5
3	Viscosity @ 40 °C	ASTM D 445	cSt	110-120	130-150	150-170	280-300	340-360
4	Viscosity @100 °C	ASTM D 445	cSt	15-16	15-16	18-18.5	25-27	32-32.5
5	Viscosity Index	ASTM D 2270	NO	> 145	>125	>110	>125	>110
6	Low Temperature Viscosity by Brookfield viscometer	ASTM D 2983	cP	< 1,50,000 cP at -40 deg.c	< 1,50,000 cP at -26 deg.c	NA	< 1,50,000 cP at -12deg.c	NA
7	Pour point	ASTM D 97	°C	-42	-30	-18	-24	-18
8	Flashpoint	ASTM D 92 & 93	°C	>220	>220	>240	>230	>230
9	Foaming Character	ASTM D 892	Seq1,MI	5 ML/0 ML	5 ML/0 ML	5 ML/0 ML	5 ML/0 ML	5 ML/0 ML
			Seq2,MI	0 ML/0 ML	0 ML/0 ML	0 ML/0 ML	0 ML/0 ML	0 ML/0 ML
			Seq3,MI	0 ML/0 ML	0 ML/0 ML	0 ML/0 ML	0 ML/0 ML	0 ML/0 ML
10	Copper Strip Corrosion Test,3 Hrs at 100 deg.c	ASTM D130	No	ASTM 2B MAX	ASTM 2B MAX	ASTM 2B MAX	ASTM 2B MAX	ASTM 2B MAX