

GEAR OILS

SAE Grade	Max temperature for Viscosity of 150,000 Max	(cSt) Viscosity at 100°C	
		Min	Max
75W	-40	4.1	
80W	-26	7.0	
85W	-12	11.0	
90		13.5	24.0
140		24.0	41.0
250		41.0	

ENGINE OILS

SAE Grade	Viscosity (cP) at Temp (°) Max	Borderline Pumping Temp (°) Max	(cSt) Viscosity at 100°	
			Min	Max
0W	3250 @ -30	-35	3.8	
5W	3500 @ -25	-30	3.8	
10W	3500 @ -20	-25	4.1	
15W	3500 @ -15	-20	5.6	
20W	4500 @ -10	-15	5.6	
25W	6000 @ -5	-10	9.3	
20			5.6	9.3
30			9.3	12.5
40			12.5	16.3
50			16.3	21.9

ISO Viscosity Grade (ISO VG)

2	22	220
3	32	320
5	46	460
7	68	680
10	100	1000
15	150	1500

These numbers refer to the kinematic viscosity of the oil in centistokes at 40°C. This means that an ISO 320 oil has a kinematic viscosity of 320 cSt at 40°C. The beauty of this system is that the name of the oil states its viscosity. For example, Caltex Meropa 460 is an industrial gear circulating oil with a viscosity of 460 cSt.