

Comparative Viscosity Classifications

ISO 3348 Industrial oils	AGMA 9005-D94 Gear oils	SAE J300 Engine oils	SAE J306 Gear oils
1500			250
1000	8A		
680	8		
460	7		140
320	6		
220	5	60	
150	4	50	90 85 W
100	3	40	
68	2	30	80W
46	1		
32	0	20	
22		15W	75W
15		10W	
10		5W, 10W	
7			
3			
2			

ISO and AGMA are specified at 40°C. SAE 75w, 80w, 85, 5w, & 10w are specified at low temperature. SAE 90 to 250 and 20 to 50 are specified at 100 deg C. Viscosities can be related horizontally assuming 96 VI single grade oils.

Rule of Thumb: SUS @ 100°F / 5 = cSt @ 40°C.

