DIFFERENT TEMPERATURES OF COMMMON LIQUIDS

LIQUID	SPECIFIC GRAVITY	VISCOSITY S.S.U.						
		40°F	60°F	80°F	100°F	120°F	140°F	160°F
Crankcase Oils - Automobile Lubricating Oils								
SAE 10.....	.88 -.935	1500-2400	600-900	300-400	170-220	110-130	75-90	60-65
SAE 20.....	.88 -.935	2400-9000	900-3000	400-1100	220-550	130-280	90-170	65-110
SAE 30.....	.88 -.935	9000-14000	3000-4400	1100-1800	550-800	280-400	170-240	110-150
SAE 40.....	.88 -.935	14000-19000	4400-6000	1800-2400	800-1100	400-550	240-320	150-200
SAE 50.....	.88 -.935	19000-45000	6000-10000	2400-4000	1100-1800	550-850	320-480	280-380
SAE 60.....	.88 -.935	45000-60000	10000-17000	4000-6000	1800-2500	850-1200	480-580	280-380
SAE 70.....	.88 -.935	60000-120000	17000-45000	6000-10000	2500-4000	1200-1800	580-900	380-500
Transmission Oils – Automobile Transmission Gear Lubricants								
SAE 90.....	1.0	31.5	31.5	31.5	31.5	31.5	31.5	31.5
SAE 140.....	.68 -.74	30	30	30	30	30	30	30
SAE 250.....	.74 -.85	35	35	35	35	35	35	35

VISCOSITY OF LIQUIDS

Liquid	Specific gravity			Viscosity			
	Temp		Based on water = 1 at 60°F	Temp		centistokes	SSU
	°F	°C		°F	°C		
Automatic crankcase oils SAE 10W	60	15.6	.88-.94	0	-17.8	1295-max	6M-max
SAE 10W	60	15.6	.88-.94	0	-17.8	1295-2590	6M-12M
SAE 20W	60	15.6	.88-.94	0	-17.8	2590-10350	12M-48M
SAE 20	60	15.6	.88-.94	210	98.9	5.7-9.6	45-58
SAE 30	60	15.6	.88-.94	210	98.9	9.6-12.9	58-70
SAE 40	60	15.6	.88-.94	210	98.9	12.9-16.8	70-85
SAE 50	60	15.6	.88-.94	210	98.9	16.8-22.7	85-110
Automotive gear oils SAE 75W	60	15.6	.88-.94	210	98.9	4.2 min	40 min
SAE 80W	60	15.6	.88-.94	210	98.9	7.0 min	49 min
SAE 85W	60	15.6	.88-.94	210	98.9	11.0 min	63 min
SAE 90W	60	15.6	.88-.94	210	98.9	14-25	74-120
SAE 140	60	15.6	.88-.94	210	98.9	25-43	120-200
SAE150	60	15.6	.88-.94	210	98.9	43 min	200 min