

# VISCOSITY OF COMMON LIQUIDS

Liquid	*Sp Gr at 60 F	VISCOSITY		At F
		SSU	Centistokes	
Freon	1.37 to 1.49 @ 70 F		.27 - .32	70
Glycerine (100%)	1.26 @ 68 F	2,950	648	68.6
		813	176	100
Glycol: Propylene triethylene Diethylene Ethylene	1.038 @ 68 F	240.6	52	70
	1.125 @ 68 F	185.7	40	70
	1.12	149.7	32	70
	1.125	88.4	17.8	70
Hydrochloric Acid (31.5%)	1.05 @ 68 F		1.9	68
Mercury	13.6		.118	70
			.11	100
Phenol (Carbolic Acid)	.95 to 1.08	65	11.7	65
Silicate of Soda	40 Baume	365	79	100
	40 Baume	637.6	138	100
Sulfuric Acid (100%)	1.83	75.7	14.6	68
Fish and Animal Oils: Bone Oil	.918	220	47.5	130
		65	11.6	212
Cod Oil	.928	150	32.1	100
		95	19.4	130
Lard	.96	287	62.1	100
		160	34.3	130
Lard Oil	.912 to .925	190 to 220	41 to 47.5	100
		112 to 128	23.4 to 27.1	130
Menhadden Oil	.933	140	29.8	100
		90	18.2	130
Neatsfoot Oil	.917	230	49.7	100
		130	27.5	130
Sperm Oil	.883	110	23.0	100
		78	15.2	130
Whale Oil	.925	163 to 184	35 to 39.6	100
		97 to 112	19.9 to 23.4	130
Mineral Oils: Automobile Crankcase Oils (Average Midcontinent Paraffin Base): SAE 10	**.880 to .935	165 to 240	35.4 to 51.9	100
		90 to 120	18.2 to 25.3	130
SAE 20	**.880 to .935	240 to 400	51.9 to 86.6	100
		120 to 185	25.3 to 39.9	130
SAE 30	**.880 to .935	400 to 580	86.6 to 125.5	100
		185 to 255	39.9 to 55.1	130
SAE 40	**.880 to .935	580 to 950	125 to 206.6	100
		255 to 80	55.1 to	130
			15.6	210
SAE 50	**.880 to .935	950 to 1600	205.6 to 352	100
		80 to 105	15.6 to 21.6	210
SAE 60	**.880 to .935	1600 to 2300	352 to 507	100
		105 to 125	21.6 to 26.2	210
SAE 70	**.880 to .935	2300 to 3100	507 to 682	100
		125 to 150	26.2 to 31.8	210
SAE 10W	**.880 to .935	5000 to 10000	1100 to 2200	0
SAE 20W	**.880 to .935	10000 to 40000	2200 to 8800	0
Automobile transmission Lubricants: SAE 80	**.880 to .935	100000 max	22000 max	0
SAE 90	**.880 to .935	800 to 1500	173.2 to 324.7	100
		300 to 500	64.5 to 108.2	130
SAE 140	**.880 to .935	950 to 2300	205.6 to 507	130
		120 to 200	25.1 42.9	210
SAE 250	**.880 to .935	Over 2300	Over 507	130
		Over 200	Over 42.9	210
Crude Oils: Texas, Oklahoma	.81 to .916	40 to 783	4.28 to 169.5	60
		34.2 to 210	2.45 to 45.3	100
Wyoming Montana	.86 to .88	74 to 1215	14.1 to 263	60
		46 to 320	6.16 to 69.3	100
California	.78 to .92	40 to 4840	4.28 to 1063	60
		34 to 700	2.4 to 151.5	100
Pennsylvania	.8 to .85	46 to 216	6.16 to 46.7	60
		38 to 86	3.64 to 17.2	100
Diesel Engine Lubricating Oils (Based on Average Midcontinent Paraffin Base): Federal Specification No. 9110	**.880 to .935	165 to 240	35.4 to 51.9	100
		90 to 120	18.2 to 25.3	130