

Viscosity Conversion Chart

Centistokes	Poise	SSU	Zahn #1	Zahn #2	Zahn #3	Zahn #4	Zahn #5	Ford #3	Ford #4	Krebs Units	SAE	Liquid Example
1	.01	.31										water
10	.10	60	30	16				9	5			
20	.20	100	37	18				12	10			
40	.40	210	52	22				25	18			
60	.60	320	68	27				33	25	33	10	
80	.80	430	81	34				41	31	37		
100	1.0	530		41	12	10		50	34	40	20	olive oil
200	2.0	1,000		82	28	17	10	90	58	52		
300	3.0	1,475			34	24	15	130	74	60		
400	4.0	1,950			46	30	20	170	112	64	30	glycerine
500	5.0	2,480			58	38	25	218	143	68	40	
1,000	10.0	4,600				69	49	390	264	85	90	castor oil
2,000	20.0	9,400						800	540	103		
3,000	30.0	14,500						1,230	833	121		
4,000	40.0	18,500						1,570	1,060	133		molasses
5,000	50.0	23,500							1,350			corn syrup
6,000	60.0	28,000							1,605			
7,000	70.0	32,500							1,870			
8,000	80.0	37,000							2,120			
9,000	90.0	41,000							2,360			
10,000	100	46,500							2,670			honey
15,000	150	69,400										
20,000	200	92,500										
30,000	300	138,600										
40,000	400	185,000										
50,000	500	231,000										
60,000	600	277,500										
70,000	700	323,500										
80,000	800	370,000										
90,000	900	415,500										
100,000	1,000	462,000										sour cream
125,000	1,250	578,000										molasses*
250,000	1,500	694,000										
175,000	1,750	810,000										
200,000	2,000	925,000										

*measured at 2° (a cold winter day)

Note: The precision of conversion in this table is limited by two factors. It assumes that the density of liquids is 1 so that stokes and poises are the same and that viscosity is independent of shear rate, *i.e.*, the fluid is Newtonian. To correct for density in converting from centistokes to centipoises, multiply specific gravity by centistokes.