TABLE III. *Viscosity of mixtures as function of concentration and pressure.*

1. *n*-HEXANE CARBON DISULPHIDE

Pressure (kg/cm²)	Log t/t_0 30°	Log t/t_0 75°	Log t/t_0 30°	Log t/t_0 75°
	31.8 mole % C_6H_{14} log t_0 = 0.508		58.2 mole % C_6H_{14} log t_0 = 0.470	
1	0.000	0.103	0.000	0.153
500	0.104	0.003	0.150	0.015
1000	0.202	0.089	0.259	0.102
2000	0.371	0.242	0.447	0.297
4000	0.644	0.471	0.750	0.570
6000	0.849	0.660	0.990	0.785
8000	1.031	0.830	1.226	0.965
10000	1.239	1.015	1.480	1.169
	13.4 mole % C_6H_{14} log t_0 = 0.529		4.9 mole % C_6H_{14} log t_0 = 0.537	
1	0.000	0.141	0.000	0.117
500	0.093	0.041	0.080	0.040
1000	0.165	0.050	0.159	0.031
2000	0.339	0.201	0.304	0.159
4000	0.574	0.444	0.540	0.364
6000	0.740	0.633	0.707	0.528
8000	0.902	0.749	0.880	0.669
10000	1.109	0.900	1.060	0.831
	20.2 mole % C_6H_{14} log t_0 = 0.498		46.4 mole % C_6H_{14} log t_0 = 0.470	
1	0.000	0.117	0.000	0.124
500	0.100	0.024	0.136	0.005
1000	0.195	0.060	0.230	0.100
2000	0.349	0.106	0.425	0.276
4000	0.599	0.427	0.695	0.533
6000	0.791	0.618	0.918	0.732
8000	0.979	0.789	1.140	0.891
10000	1.201	0.831	1.390	1.076
	41.1 mole % C_6H_{14} log t_0 = 0.484		82.9 mole % C_6H_{14} log t_0 = 0.452	
1	0.000	0.132	0.000	0.111
500	0.126	0.024	0.164	0.012
1000	0.226	0.075	0.295	0.125
2000	0.407	0.247	0.520	0.325
4000	0.669	0.499	0.850	0.640
6000	0.900	0.705	1.130	0.885
8000	1.100	0.886	1.398	1.092
10000	1.332	1.057	1.665	1.310
	73.5 mole % C_6H_{14} log t_0 = 0.440		54.7 mole % C_6H_{14} log t_0 = 0.465	
1	0.000	0.158	0.000	0.119
500	0.151	0.000	0.125	0.008
1000	0.279	0.128	0.240	0.097
2000	0.492	0.330	0.440	0.282
4000	0.820	0.610	0.740	0.560
6000	1.080	0.828	0.966	0.775
8000	1.326	1.035	1.198	0.940
10000	1.606	1.258	1.469	1.140
	65.1 mole % C_6H_{14} log t_0 = 0.455			
1	0.000	0.133		
500	0.160	0.002		
1000	0.239	0.115		
2000	0.470	0.310		
4000	0.765	0.590		
6000	1.036	0.805		
8000	1.290	1.000		
10000	1.520	1.220		

2. *n*-HEXANE DIETHYL ETHER

Pressure (kg/cm²)	Log t/t_0 30°	Log t/t_0 75°	Log t/t_0 30°	Log t/t_0 75°
	44.2 mole % C_6H_{14} log t_0 = 0.362		70.2 mole % C_6H_{14} log t_0 = 0.398	
1	0.000	0.054	0.000	0.113
500	0.131	0.041	0.139	0.010
1000	0.253	0.130	0.260	0.122
2000	0.470	0.299	0.470	0.319
4000	0.813	0.600	0.795	0.632
6000	1.089	0.860	1.089	0.881
8000	1.341	1.090	1.379	1.091
10000	1.617	1.281	1.677	1.290
12000		1.490		1.490

2. *n*-HEXANE DIETHYL ETHER—*Continued.*

Pressure (kg/cm²)	Log t/t_0 30°	Log t/t_0 75°	Log t/t_0 30°	Log t/t_0 75°
	20.8 mole % C_6H_{14} log t_0 = 0.352		29.8 mole % C_6H_{14} log t_0 = 0.359	
1	0.000	0.080	0.000	0.060
500	0.134	0.036	0.118	0.032
1000	0.248	0.141	0.225	0.120
2000	0.442	0.323	0.414	0.280
4000	0.739	0.606	0.721	0.549
6000	0.972	0.822	0.997	0.769
8000	1.210	1.000	1.239	0.959
10000	1.447	1.164	1.475	1.143
12000		1.315		1.330
	34.6 mole % C_6H_{14} log t_0 = 0.348		55.9 mole % C_6H_{14} log t_0 = 0.371	
1	0.000	0.005	0.000	0.110
500	0.132	0.079	0.148	0.005
1000	0.250	0.160	0.273	0.111
2000	0.450	0.311	0.485	0.304
4000	0.752	0.572	0.809	0.609
6000	1.012	0.809	1.095	0.842
8000	1.272	1.015	1.364	1.049
10000	1.529	1.202	1.619	1.261
12000		1.380		1.469
	88.8 mole % C_6H_{14} log t_0 = 0.401		10.2 mole % C_6H_{14} log t_0 = 0.324	
1	0.000	0.109	0.000	0.044
500	0.143	0.022	0.130	0.040
1000	0.275	0.139	0.241	0.121
2000	0.501	0.342	0.431	0.270
4000	0.857	0.639	0.729	0.526
6000	1.165	0.883	0.979	0.743
8000	1.474	1.109	1.210	0.942
10000	1.770	1.330	1.428	1.130
12000		1.550		1.314
	33.1 mole % C_6H_{14} log t_0 = 0.349		28.3 mole % C_6H_{14} log t_0 = 0.346	
1	0.000	0.094	0.000	0.095
500	0.140	0.022	0.141	0.019
1000	0.262	0.129	0.262	0.121
2000	0.469	0.310	0.456	0.305
4000	0.790	0.596	0.739	0.591
6000	1.057	0.825	0.994	0.812
8000	1.306	1.028	1.250	1.009
10000	1.540	1.204	1.506	1.199
12000		1.395		1.389
	35.4 mole % C_6H_{14} log t_0 = 0.361		41.8 mole % C_6H_{14} log t_0 = 0.354	
1	0.000	0.110	0.000	0.090
500	0.129	0.009	0.133	0.012
1000	0.247	0.120	0.253	0.110
2000	0.450	0.313	0.456	0.295
4000	0.771	0.605	0.764	0.601
6000	1.049	0.830	1.055	0.860
8000	1.320	1.039	1.340	1.089
10000	1.601	1.244	1.629	1.300
12000		1.450		1.491

3. *n*-HEXANE *n*-DECANE

Pressure (kg/cm²)	Log t/t_0 30°	Log t/t_0 75°	Log t/t_0 30°	Log t/t_0 75°
	40.1 mole % $C_{10}H_{22}$ log t_0 = 0.580		70.0 mole % $C_{10}H_{22}$ log t_0 = 0.716	
1	0.000	0.175	0.000	0.194
500	0.185	0.016	0.186	0.002
1000	0.342	0.136	0.347	0.098
2000	0.600	0.382	0.633	0.347
3000	0.810	0.554	0.878	0.561
4000	1.021	0.757	1.125	0.765
	28.6 mole % $C_{10}H_{22}$ log t_0 = 0.520		59.2 mole % $C_{10}H_{22}$ log t_0 = 0.657	
1	0.000	0.159	0.000	0.166
500	0.179	0.001	0.187	0.013
1000	0.331	0.136	0.349	0.135
2000	0.580	0.355	0.620	0.373
3000	0.795	0.549	0.856	0.580
4000	0.992	0.727	1.089	0.767

3. *n*-HEXANE *n*-DECANE—*Continued.*

Pressure (kg/cm²)	Log t/t_0 30°	Log t/t_0 75°	Log t/t_0 30°	Log t/t_0 75°
	85.7 mole % $C_{10}H_{22}$ log t_0 = 0.768		50.4 mole % $C_{10}H_{22}$ log t_0 = 0.631	
1	0.000	0.196	0.000	0.186
500	0.199	0.016	0.187	0.010
1000	0.362	0.110	0.350	0.120
2000	0.642	0.367	0.620	0.379
3000	0.909	0.585	0.841	0.564
4000	1.170	0.783	1.061	0.758
	19.7 mole % $C_{10}H_{22}$ log t_0 = 0.503		4.6 mole % $C_{10}H_{22}$ log t_0 = 0.420	
1	0.000	0.151	0.000	0.135
500	0.175	0.010	0.179	0.012
1000	0.328	0.163	0.327	0.140
2000	0.581	0.363	0.563	0.360
3000	0.791	0.549	0.749	0.539
4000	0.970	0.712	0.926	0.705
	13.5 mole % $C_{10}H_{22}$ log t_0 = 0.462		94.1 mole % $C_{10}H_{22}$ log t_0 = 0.801	
1	0.000	0.137	0.000	0.231
500	0.187	0.017	0.179	0.006
1000	0.336	0.157	0.347	0.103
2000	0.570	0.377	0.650	0.374
3000	0.769	0.557	0.921	0.597
4000	0.954	0.710	1.198	0.781
	77.0 mole % $C_{10}H_{22}$ log t_0 = 0.731			
1	0.000	0.204		
500	0.181	0.004		
1000	0.340	0.115		
2000	0.629	0.364		
3000	0.876	0.574		
4000	1.112	0.767		

4. *n*-HEXANE CHLOROBENZENE

Pressure (kg/cm²)	Log t/t_0 30°	Log t/t_0 75°	Log t/t_0 30°	Log t/t_0 75°
	49.0 mole % C_6H_5Cl log t_0 = 0.563		75.5 mole % C_6H_5Cl log t_0 = 0.681	
1	0.000	0.160	0.000	0.186
500	0.122	0.040	0.131	0.067
1000	0.242	0.075	0.253	0.047
2000	0.466	0.290	0.476	0.251
4000	0.860	0.639	0.860	0.585
6000	1.212	0.921	1.277	0.861
8000	1.530	1.150	1.778	1.147
	34.0 mole % C_6H_5Cl log t_0 = 0.509		63.0 mole % C_6H_5Cl log t_0 = 0.628	
1	0.000	0.145	0.000	0.169
500	0.136	0.010	0.127	0.044
1000	0.260	0.109	0.249	0.072
2000	0.476	0.308	0.460	0.272
4000	0.820	0.600	0.840	0.586
6000	1.137	0.847	1.210	0.831
8000	1.505	1.132	1.590	1.104
	88.4 mole % C_6H_5Cl log t_0 = 0.749		17.6 mole % C_6H_5Cl log t_0 = 0.463	
1	0.000	9.815	0.000	0.174
500	0.117	9.932	0.115	0.026
1000	0.234	0.040	0.230	0.101
2000	0.462	0.234	0.450	0.309
4000	0.900	0.555	0.864	0.608
6000	1.330	0.842	1.257	0.850
8000	1.760	1.170	1.630	1.095
	94.6 mole % C_6H_5Cl log t_0 = 0.766		5.1 mole % C_6H_5Cl log t_0 = 0.419	
1	0.000	9.810	0.000	0.155
500	0.115	9.939	0.141	0.010
1000	0.225	0.025	0.276	0.115
2000	0.439	0.214	0.529	0.325
4000	0.892	0.521	0.960	0.639
6000	1.403	0.809	1.316	0.881
7000	1.701			
8000		1.156	1.965	1.144