

Requested By: XXXXXXXXXXXX
 Date: 04/08/09

NOTES:
 1) Values in Blue have been extrapolated from the Experimental Data
 2) The 482+F samples both failed the instruments stability criteria lower than 122F
 This may have been due to components waxing or precipitating out of the sample
 at the lower temperature.
 3) Value at 150F was determined experimentally for all samples and was
 well within the valid range of the instrument.

Cannon N5100 Check Measurement Date: 04/07/09

Temp, F	Kinematic Viscosity			Density		
	Reference Value, mm2/s	Measured Value, mm2/s	Deviation, %	Reference Value, g/cm3	Measured Value, g/cm3	Deviation, %
104	5085	5091.7	0.13	0.8751	0.8752	0.01
140	1282	1288.7	0.52	0.8640	0.8639	0.01
176	420.7	421.74	0.25	0.8530	0.8530	0.01
212	170.5	171.23	0.43	0.8419	0.8422	0.03

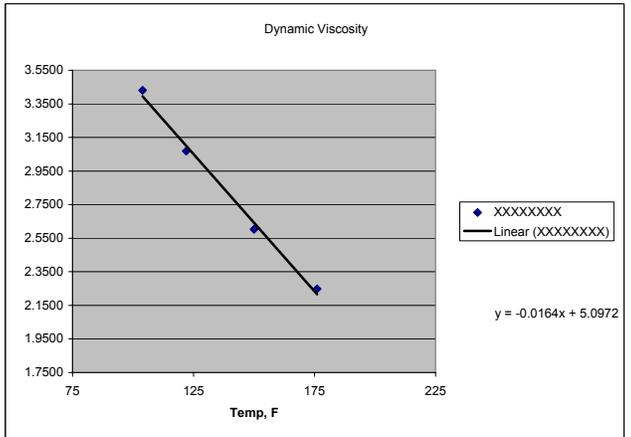
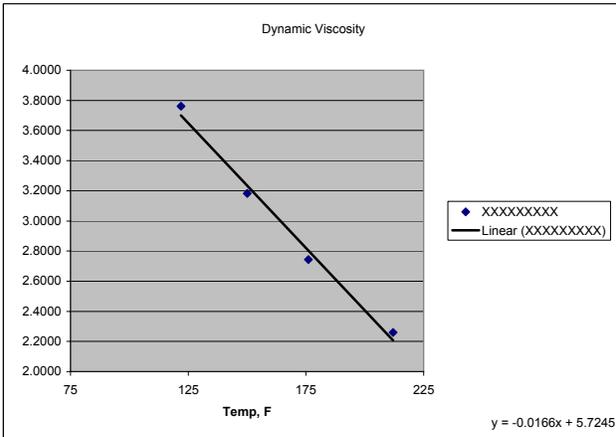
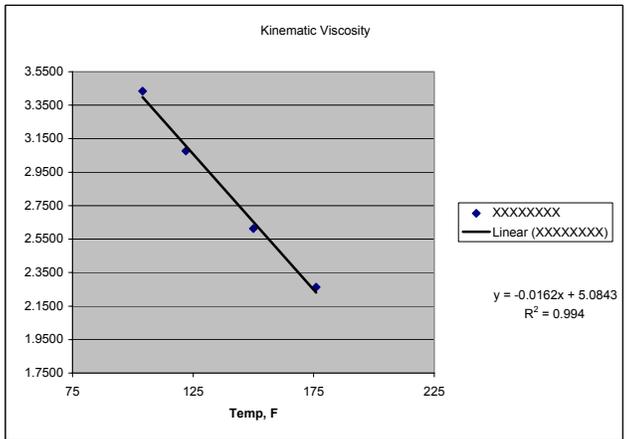
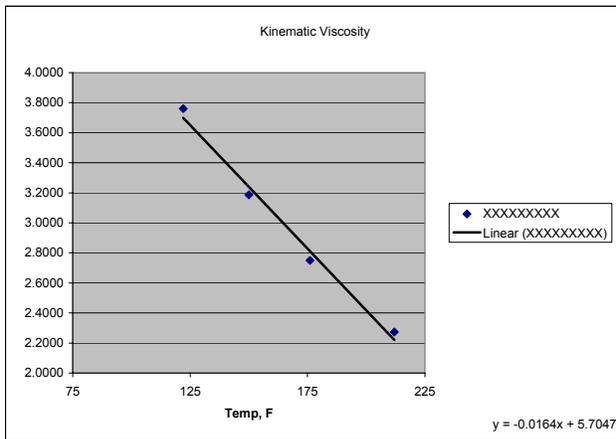
Acceptable Deviation:
 Viscosity: 1%
 Density: 0.1%

Sample ID: XXXXXXXXXXXX

Temp, F	Kinematic Viscosity Measured		Dynamic Viscosity Measured		Density, g/cm3
	Value, mm2/s	log kVisc	Value, mPa.s	log dVisc	
100	11606	4.0647	11601	4.0645	1.0100
122	5754	3.7599	5767	3.7609	1.0023
150	1538	3.1869	1526	3.1837	0.9925
176	562.8	2.7503	553.4	2.7431	0.9834
212	187.6	2.2732	182.1	2.2603	0.9709

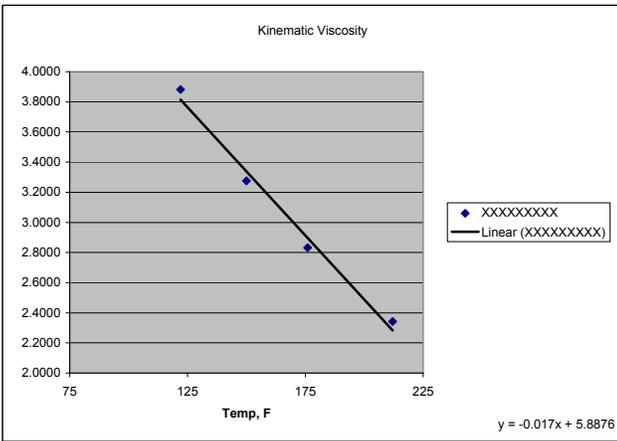
Sample ID: XXXXXXXXXXXX

Temp, F	Kinematic Viscosity Measured		Dynamic Viscosity Measured		Density, g/cm3
	Value, mm2/s	log kVisc	Value, mPa.s	log dVisc	
100	2913	3.4643	2865	3.4572	0.9930
104	2719	3.4344	2696	3.4308	0.9916
122	1191	3.0758	1173	3.0693	0.9853
150	410	2.6132	400	2.6023	0.9752
176	183.0	2.2625	176.8	2.2475	0.966
212	74.7	1.8732	71.2	1.8525	0.9534



Sample ID: XXXXXXXXX

Temp, F	Kinematic Viscosity Measured		Dynamic Viscosity Measured		Density, g/cm3
	Value, mm2/s	log kVisc	Value, mPa.s	log dVisc	
100	15403	4.1876	15115	4.1794	0.9913
122	7623	3.8821	7502	3.8752	0.9841
150	1885	3.2753	1835	3.2636	0.9736
176	677.7	2.8311	653.9	2.8155	0.9648
212	219.5	2.3414	209.2	2.3205	0.9529



Sample ID: XXXXXXXXX

Temp, F	Kinematic Viscosity Measured		Dynamic Viscosity Measured		Density, g/cm3
	Value, mm2/s	log kVisc	Value, mPa.s	log dVisc	
100	6174	3.7906	6138	3.788	0.9813
104	5828	3.7655	5711	3.7567	0.9799
122	2333	3.3679	2272	3.3563	0.9737
150	723.3	2.8593	697.1	2.8433	0.9639
176	298.5	2.4749	285.0	2.4548	0.9548
212	112.0	2.0492	105.6	2.0235	0.9425

