

WORKING VALUES OF ESTER-BASED FLUIDS

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No.	DATE	OILTYPE	OILTEMP	MOISTURE	SATURATION	IFT	ACID	COLOR	VISUAL	D877	SPG	PF25DEG	PF100DEG	LABNOTES
1	01/09/07	E	20	24	46.2	19.4	0.0287	L0.5	CL & SPK	41				ESTER FLUID - GREENISH COLOR
2	01/09/07	E	20	27	51.9	17.3	0.0293	L0.5	CL & SPK	44				ESTER FLUID - GREENISH COLOR
3	01/30/07	E	25	27	41.2	14.4	0.0328	0.5	CL & SPK	42				GREENISH
4	03/01/07	E	15	16	38.8	15.7	0.0249	0.5	CL & SPK	48	0.9327	0.1562		
5	03/01/07	E	15	52	126	18.8	0.0265	1.0	CL & SPK	44	0.9274	0.9331		
6	03/01/07	E	15	21	50.9	16.8	0.0269	0.5	CL & SPK	47	0.9302	0.2047		
7	03/01/07	E	15	30	72.7	20.4	0.0281	0.5	CL & SPK	49	0.9299	0.1793		
8	03/01/07	E	15	13	31.5	16.4	0.0243	0.5	CL & SPK	42	0.9279	0.1977		
9	03/01/07	E	15	22	53.3	15.8	0.0246	0.5	CL & SPK	49	0.9271	0.7381		
10	03/01/07	E	14	55	140	16.2	0.0271	0.5	CL & SPK	51	0.9272	0.3085		
11	03/01/07	E	14	23	58.4	9.4	0.0244	0.5	CL & SPK	47	0.9292	0.2221		
12	03/01/07	E	25	14	21.4	20.0	0.0441	0.5	CL & SPK	54				
13	03/27/07	E	18	117	247	23.7	0.0300	L0.5	CL & SPK	18		0.3859		
14	04/06/07	E	9	70	224	26.0	0.0225	L0.5	CL & SPK	22		0.3186		
15	04/05/07	E	25	40	61	15.3	0.0287	0.5	CL & SPK	36		0.1587		
16	04/13/07	E	17.9	21	44.5	20.3	0.0300	0.5	CL & SPK	43	0.9266	0.0670	1.9340	GREENISH COLOR
17	04/13/07	E	17.9	121	25.4	19.1	0.0263	0.5	CL & SPK	41	0.9240	0.0892	2.7325	GREENISH COLOR
18	05/16/07	E	25	21	32	20.3	0.0504	0.5	CL & SPK	53				GREENISH COLOR
19	05/16/07	E	25	19	29	19.1	0.0488	0.5	CL & SPK	54				GREENISH COLOR
20	05/03/07	E	25	70	107					39				
21	06/07/07	E	18	24	50.6	21.4	0.0594	0.5	CL & SPK	42	0.9313	0.0739		GREENISH FLUID COLOR
22	06/07/07	E	18	36	75.9	20.3	0.0632	0.5	CL & SPK	45	0.9279	0.0831		GREENISH FLUID COLOR
23	06/12/07	E	30	32	38.7	18.0	0.0607	0.5	CL & SPK	45				GREENISH COLOR
24	06/12/07	E	39	15	12	16.9	0.0667	0.5	CL & SPK	47	0.9277	0.6315		
25	07/02/07	E	25	32	48.8	20.8	0.0778	0.5	CL & SPK	49	0.9316	0.1418		GREENISH COLOR
26	07/02/07	E	25	21	32	16.9	0.0769	0.5	CL & SPK	43		0.1444		GREENISH COLOR
27	07/03/07	E	25	22	33.6	14.7	0.0687	L0.5	CL & SPK	40		0.2540		GREENISH FLUID
28	07/11/07	E	25	121	185	27.2	0.0669	0.5	CL & SPK	48	0.9293			GREENISH FLUID
29	08/08/07	E	25	25	38.1	18.5	0.0527	0.5	CL & SPK	45		0.2620		GREENISH FLUID
30	09/19/07	E				20.3	0.0350	0.5	CL & SPK	30				GREENISH IN COLOR
31	09/19/07	E				19.2	0.0353	0.5	CL & SPK	47				GREENISH IN COLOR
32	09/19/07	E				20.9	0.0332	0.5	CL & SPK	46				GREENISH IN COLOR
33	09/20/07	E				21.1	0.0372	0.5	CL & SPK	47				GREENISH IN COLOR
34	09/20/07	E				20.1	0.0411	0.5	CL & SPK	48				GREENISH IN COLOR
35	09/24/07	E				19.2	0.0398	0.5	CL & SPK	42				GREENISH FLUID
36	11/05/07	E	25	112	171	20.5	0.0298	0.5	CL & SPK	45	0.9279	0.1485		
37	11/05/07	E	25	122	186	26.3	0.0277	0.5	CL & SPK	46	0.9303	0.1457		
38	11/05/07	E	25	104	162	22.0	0.0290	0.5	CL & SPK	45	0.9262	0.1679		
39	11/05/07	E	25	104	159	22.1	0.0304	0.5	CL & SPK	42	0.9260	0.1153		
40	11/05/07	E	25	113	172	22.3	0.0288	0.5	CL & SPK	45	0.9300	0.1079		
41	11/05/07	E	25	90	137	20.1	0.0296	0.5	CL & SPK	47	0.9243	0.1402		GREEN FLUID COLOR
42	11/01/07	E	25	24	36.6	23.7	0.0415	0.5	CL & SPK	44	0.9269			GREENISH COLOR

AVERAGE VALUES	50	84.46	19.4	0.0393		44	0.9283	0.2452	2.3333
Analysis	MOISTURE	SATURATION	IFT	ACID		D877	SPG	PF25DEG	PF100DEG
Units	PPM	%	dynes/cm	mgKOH/mg		KV		%	%