

OIL IN WATER (EMULSION) HYDRAULIC FLUID

COMPANY NAME	BRAND NAME	GRADE/ CALLOUT	COLOR D-1500	POUR POINT EF	FLASH POINT EF	VISCOSITY 100EF	SUS 210EF	VISC. INDEX	SPEC. GRAV.
AMERICAN OIL CO.	AMOCO FR FLUID	WG46	---	-20	---	209	102	160	1.06
CASTROL	ANVOL	WG22	CL. YEL.	-15	---	22(1)	---	200	1.068
		WG46	CL. YEL.	-40	---	46(1)	---	200	1.081
CHEM-TREND INC.		HF20	RED	-20	---	180	90	155	1.07
CITIES SERVICE	CITGO	GLYCOL FR-40XD	RED	-40	---	200	100	210	1.085
CONTINENTAL OIL CO.	CONOCO	FC	RED	-30	---	200	94	150	1.09
DAVIS-HOWLAND OIL	----	DSL-FR200	RED	-45	---	200	130	160	1.079
E.F. HOUGHTON & CO.	HOUGH-TOSAFE	520	RED	-50	---	200	910	200	1.075
		620	RED	-65	---	200	89	201	1.074
A. MARGOLIS & SONS	SILOGRAM FR-200		RED	-40	---	200	---	150	1.079
STAUFFER CHEMICAL COMPANY	FYRGUARD	150	RED	-45	---	150	---	160	1.076
		200	RED	-45	---	200	---	160	1.079
SUN OIL CO.	SUNSOL	AW	L4.5	---	---	62.8(1)	---	---	0.8899
TEXACO OIL CO.	SAFETY FLUID	200	---	-65	---	204	---	---	1.09

(1) CS @ 100 deg F

PHOSPHATE ESTER & PHOSPHATE ESTER BLEND HYDRAULIC FLUIDS

COMPANY NAME	BRAND NAME	GRADE/ CALLOUT	COLOR D-1500	POUR POINT - F	FREEZE POINT-F	VISCOSITY 100 F	SUS 210 F	VISC. INDEX	SPEC. GRAVITY
AMERICAN OIL CO.	AMOCO FR	PE46	3	0	455	205-240	----	----	1.12-1.17
		PE118	-	20	455	500-600	----	----	1.12-1.17
CASTROL	ANVOL PE	22	----	-29	464	19 (1)	3.2 (1)	----	----
		32	----	-15	48	30.1(1)	4.1 (1)	----	----
		46	----	-6	480	40.3(1)	4.8 (1)	----	----
CHEVRON INTERNATIONAL OIL CO.	HYJET IV	----	----	-80	360	10.58 (1)	3.57 (1)	----	.999
E.F. HOUGHTON & CO.	HOUGH- TOSAFE	1010	GREEN	-30	455	90	38	---	1.20
		1115	GREEN	-10	475	150	40	----	1.17
		1120	GREEN	-5	475	230	13	----	1.13
		1130	GREEN	5	475	290	46	----	1.12
		1055	GREEN	25	475	600	52	----	1.15
		5310	---	-15	465	73.9	9.21	----	.990
MOBIL	PYROGUARD	53	BLUE	0	475	215	42	----	1.17
MONSANTO COMPANY	SLYDROL	LD-4	PURPLE	-80	330	10.8-11.4 (1)	3.8-4 (1)	----	.996-1.002
		500B-4	PURPLE	-80	350	11.6-12.1 (1)	3.8-4(1)	----	1.057-1.065
	PYDRAUL C**	230C	GREEN	-20	---	215	49	---	1.040-1.060
		312C	GREEN	0	---	309	54	---	1.030-1.050
		68S	GREEN	-10	---	316	48.3	---	1.097
	PYDRAUL E	10-E	BLUE	-70	---	60	35	---	1.085-1.095
		29ELT	BLUE	-40	---	145	52	---	1.09-1.11
		50E	BL-GREEN	-5	---	231	46	---	1.145-1.165
		65E	BL-GREEN	0	---	312	50	---	1.142-1.162
		90E	BL-GREEN	10	---	415	52	---	1.145-1.165
115E	BL-GREEN	-10	---	565	56	---	1.145-1.165		
STAUFFER CHEMICAL CO.	FRYQUEL	90	CLEAR GRN	-30	440	91	36.9	---	1.21
		150	CLEAR GRN	-10	455	153	41	---	1.166
		220	CLEAR GRN	0	485	219	44.3	---	1.15
		300	CLEAR GRN	5	485	302	46.1	--	1.151
		550	CLEAR GRN	20	485	545	53.4	--	1.155
	295-E7468	---	-25	455	293	47	22	1.090	
SUN OIL CO.	SUNGUARD**		2.5	-25	400	345	51.9	70	1.034

**BLEND OF PHOSPHATE ESTER & PETROLEUM STOCKS

(1)VISCOSITY SHOWN IN CST

SILICATE ESTER

COMPANY NAME	BRAND NAME	GRADE/ CALLOUT	COLOR D-1500	POUR POINT - F	FREEZE POINT-F	VISCOSITY 100 F	SUS 210 F	VISC. INDEX	SPEC. GRAVITY
CHEVRON	CHEVRON	M2V	----	-110	420	16.9(1)	5.25 (1)	----	.946

SYNTHETIC HYDRAULIC FLUID/OIL

COMPANY NAME	BRAND NAME	GRADE/ CALLOUT	COLOR D-1500	POUR POINT - F	FLASH POINT-F	VISCOSITY 100 F	SUS 210 F	VISC. INDEX	SPEC. GRAVITY
BEL-RAY	BEL-RAY SE-2	40	YLW-GRN	-80	340	85	41	197	.837
		45	YLW-GRN	-80	355	112	44.6	185	.841
		50	YLW-GRN	-80	355	200	54	183	.879
		65	YLW-GRN	-45	420	428	68	145	.921
		75	YLW-GRN	-40	425	555	80	145	.923
		90	YLW-GRN	-35	440	761	96	145	.924
BRAY OIL CO.	BRAYCO MICRONIC	882	STAW	-65	400	14.0 (1)	3.5 (1)	129	.8498
		883	AMBER	-65	400	19.5 (1)	3.5 (1)	128	.8576
MOBIL OIL CORP	SYNTHETIC GAS TURBINE LUBRICANT	SHC-	L4.5	-65	395	487	76	149	.904
		SHC-824	L4.5	-65	480	159	45.9	135	.835
		SHC-825	L1.0	-65	48	225	52.5	148	.835
		SHC-624	L1.0	-65	0440	145/165	--	135	.853
		SHC-626	L1.0	-65	450	290/340	---	135	.853
		SHC-629	L1.0	-65	460	700/770	---	135	.853
		SCH-630	L1.0	-50	460	1100/1230	---	145	.853
		SCH-634	3.0	-40	500	1950/2150	---	145	.853
		SHC-639	L3.0	-40	450	5000	460/490	180	.862
QUAKER CHEMICAL CO.	QUINTO- LUBRIC-822	220	AMBER	-15	500	220	55	185	.9088
		300	AMBER	-15	500	300	60	160	.9107
		450	AMBER	-15	500	450	70	140	.922
STAUFFER CHEMICAL CO	FYRLUBE	15	----	-30	485	155	41.5	35	1.13
		22	----	-25	490	321	44.4	19	1.11
		30	----	-20	485	292	46.6	17	1.102
TEXACO OIL CO.	SAFETYTEX	215	----	-65	----	230	----	----	1.145

(1) CS AT LISTED TEMPERATURE