

HYDROCARBON BASE OIL

ADDITIVES

NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ADDITIVES								SPEC. GRAVITY
											ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT	VE IMPROVERS	
AMERICAN OIL COMPANY	ANTI-WEAR HYDRAULIC OIL	AMVOIS AW	32	2.5	-20	370	150/165	43.5	32	95	X	X	X	X	X	X		0.8719	
			46	2.5	-20	400	200/220	47	46	92	X	X	X	X	X	X		0.8746	
			68	3	-20	400	300/320	52.5	68	92	X	X	X	X	X	X		0.8805	
			100	3.5	-15	450	500/530	63	100	88.5	X	X	X	X	X	X		0.8855	
			150	3.5	-15	475	730/770	73.8	150	87	X	X	X	X	X	X		0.8893	
	PREMIUM ANIT-WEAR HYDRAULIC OIL (RESISTS SEAL SHRINKAGE)	RYKON	MV	0.5	-65	355	178	52.5	205	X	X	X	X	X	X		X	0.8767	
			32	2	-30	380	158	45.1	32	125	X	X	X	X	X		X	0.8735	
			46	1.5	-35	380	212	49.3	46	125	X	X	X	X	X		X	0.8746	
			68	1.5	-35	380	303	56.9	68	132	X	X	X	X	X		X	0.8784	
			100	1.5	-25	395	517	72.1	100	125	X	X	X	X	X		X	0.8784	
	GENERAL PURPOSE HYDRAULIC OIL	AMOCO AW	220	1.5	-10	445	954	95.7	220	115	X	X	X	X	X		X	0.8822	
			32	0.5	----	410	150/165	43.8	32	101	X	X	X	X	X			0.874	
			46	0.5	----	425	195/215	47.2	46	104	X	X	X	X	X			0.8784	
			68	0.5	----	435	295/320	52.2	68	97	X	X	X	X	X			0.8816	
			SLIDE & WAY OIL HYDRAULIC OIL	WAY TAC	32	8	5	395	161.1	44.6	32	111	X	X	X	X			0.8773
	PREMIUM TURBINE OIL	AMERICAN INDUSTRIAL	68	8	5	430	327	55.6	68	111	X	X	X	X				0.8882	
			100	8	5	455	506	64.7	100	101	X	X	X	X				0.8921	
			220	8	5	495	967	86.8	220	96	X	X	X	X				0.8978	
			32	1	-30	420	158.7	44.2	32	107	X	X	X	X		X	N		
			46	0.5	-25	440	212.3	47.7	46	103	X	X	X	X		X	N		
68			1	-25	455	313	5305	68	100	X	X	X	X		X	N			
100			1.5	5	510	502	62.5	100	92	X	X	X	X		X	N			
150			2.5	5	530	752	74.6	150	91	X	X	X	X		X	N			
220			3	10	540	952	84	220	91	X	X	X	X		X	N			
260			3	5	555	1192	95	220/320	91	X	X	X	X		X	N			
TURBINE OIL	INDOIL	320	3.5	5	560	1504	109	320	92	X	X	X	X		X	N			
		460	4	10	570	2053	132	460	94	X	X	X	X		X	N			
		500	4.5	15	590	2446	148	460	95	X	X	X	X		X	N			
		32	1	0	385	158	43.6	32	96.7	X	X	X	X		X				
		46	0.5	0	420	207	46.6	46	93.7	X	X	X	X		X				
		68	1	0	430	309	52.5	68	64.2	X					X				

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				COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT	
ATLANTIC RICHFIELD	HEAVY DUTY ANTI-WEAR MOBILE HYDRAULIC OIL	ARCO AW	----	L1.0	-20	400	155	44	32	100	X	X	X	X	X	X	0.8681	
	ANTI-WEAR HYDRAULIC & MACHINE WEAR	DURO AW	S-150	2	-25	400	155	44	32	95	X	X	X	X	X	X	0.8681	
			S-215	2	-25	410	205	47	46	95	X	X	X	X	X	X	0.8708	
			S-315	2.5	-25	440	305	53	68	95	X	X	X	X	X	X	0.8762	
			S-465	3	-5	470	500	64	100	95	X	X	X	X	X	X	0.8844	
	HYDRAULIC SYSTEM & MACHINE OIL	DURO	55	L.05	20	300	55	34	10	95	X	X	X	X		X	0.8324	
			S-105	1	10	370	105	39.5	22	95	X	X	X	X		X	0.8602	
			S-150	1	10	400	155	44	32	95	X	X	X	X		X	0.8762	
			S-215	L1.0	10	420	205	47	46	95	X	X	X	X		X	0.8708	
			S-315	L1.5	-25	440	310	53	68	95	X	X	X	X		X	0.8762	
			S-465	L2.5	10	465	450	61	100	95	X	X	X	X		X	0.8789	
			600	L3.0	10	485	600	68	100/150	95	X	X	X	X		X	0.8844	
			S-700	3	15	495	650	71	150	95	X	X	X	X		X	0.8871	
			S-1000	L4.5	15	500	950	86	220	95	X	X	X	X		X	0.8899	
			S-1500	6	15	510	1400	107	320/460	95	X	X	X	X		X	0.8927	
	ARCTIC HYDRAULIC OIL MULTI-PURPOSE	ARCO	----	RED	-75	200	73.5	42.7	15	300	X	X	X	X	X		X	0.8871
	HYD. CLUTCH, TRANSMISSION & WET BRAKE OIL	TRACTOR FLUID	----	5	-30	----	69.6	10.3	68	145	X	X	X	X	X		X	0.8871
	HYDRAULIC, CIRCULATING, CRANK CASE & GEAR CASE OIL	RUBILENE	S-150	L1.0	10	400	160	43.5	32	95		X				X	0.8654	
			S-215	L1.0	10	415	205	46	46	95		X				X	0.8708	
			S-315	L1.5	10	430	310	53	68	95		X				X	0.8762	
			S-465	2.5	10	460	465	61	100	95		X				X	0.8816	
			500	L2.0	10	475	515	64	110/150	95		X				X	0.8816	
			S-700	L4.0	10	485	730	75	150	95		X				X	0.8844	
			S-1000	L4.5	10	500	960	86	220	95		X				X	0.8871	
			1200	4.5	10	510	1260	100	220/320	95		X				X	0.8899	
			1700	L5.0	15	535	1730	120	320/460	95		X				X	0.8927	
			S-2150	L5.5	15	550	2100	135	460	95		X				X	0.8956	
			2500	L6.0	15	570	2650	155	680	62		X				X	0.8984	

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											ASHLAND OIL INC. VALVOLINE OIL DIV. BP OIL INC.	SLIDE & WAY OIL	TRUSLIDE	S-150	8	-20	370	155	----	32	----	X
S-135	D8.0	-15	340	315	----	68	----	X		X				X	X					0.9249		
S-700	D8.0	-15	400	700	----	150	----	X		X				X	X					0.931		
S-1000	D8.0	5	410	1000	----	220	----	X		X				X	X					0.9371		
HIGH TEMP GAS TURBINE OIL	IDEAL PLUS		L1.5	-25	430	162	44.7	32	110	X		X	X	X	X					0.8654		
		TURBINE	IDEAL	S-150	L0.5	15	380	150	43	32		100	X	X	X	X	X				0.8576	
HYDRAULIC & MACHINE OIL		S-215	L0.5	15	410	210	47	46	100	X		X	X	X	X					0.8654		
		S-315	L0.5	15	440	310	54	68	100	X		X	X	X	X					0.8681		
ANTI-WEAR		AW-15	3	0.2	390	140/160	43	32	95	X		X	X	X	X		N			0.8789		
		HYDRAULIC	AW-20	3.5	-10	400	140/160	47	46	95		X	X	X	X	X		N			0.8816	
LUBRICATING OIL		AW 30	4	-10	410	285/325	53	68	95	X		X	X	X	X		N			0.8844		
		PREMIUM ANTI-WEAR HYDRAULIC & GEAR AOL	EVERGOL	22	1.5	-25	430	221	47	46		95	X	X	X	X	X		N		0.8703	
			32	1.5	-20	425	153	43	32	95		X	X	X	X	X	X				0.8654	
			46	1.5	-25	430	221	47	46	95		X	X	X	X	X	X				0.8703	
			68	L2-0	-10	470	339	54	68	95		X	X	X	X	X	X	N				0.8751
			100	3.5	-5	500	540	66	100	95		X	X	X	X	X	X	N				0.8773
			150	6	0	485	774	78	150	95		X	X	X	X	X	X	N				0.8822
			220	6	5	515	1155	95	220	95		X	X	X	X	X	X	N				0.8871
			460	7	10	530	2375	145	460	90		X	X	X	X	X	X	N				0.8927
			680	7.5D	20	530	3360	171	680	85		X	X	X	X	X	X	N				0.9159
			MULTIPURPOSE LUBRICATION & HYDRAULIC OIL	ENERGOL HL	32	1.5	-25	410	165	44	32	95	X	X	X	X	X					0.8644
					46	1.5	-20	425	227	48	46	95	X	X	X	X	X					0.8692
					68	2	-5	450	340	55	68	95	X	X	X	X	X					0.8708
					100	2.5	0	475	490	63	100	95	X	X	X	X	X					0.8762
150	4	5			500	733	75	150	95	X	X	X	X	X					0.8789			
220	5.5	10			505	1160	96	20	95	X	X	X	X	X					0.8855			
AUTOMATIC TRANS-MISSION FLUID	BP AUTRAN DEXRON II BY HYD TF J D 303	----	RED	-40	390	185.4	49.1	32/46	150	X	X	X	X	X	X				0.871			
		----	5.5	-30	410	261	54.5	46/68	139	X	X	X	X	X	X				----			

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											ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT	
BP OIL INC. (CONTINUED)	MULTI-GRADE GEAR OIL	GEAREP	80W-140	---	-20	395	1321	142.8	220/320	152	X	X	X	X	X	X	X	0.9071
	NON-LEAD EXTREME PRESSURE GEAR LUBRICANT	ENERGOL HL GR-XP	68	L5	-25	440	329	56	68	95	X	X	X	X	X	X	X	0.8784
			150	L6.0	-15	450	647	73	150	95	X	X	X	X	X	X	X	0.8833
			220	L6.0	-5	455	973	91	150/220	95	X	X	X	X	X	X	X	0.8871
			320	L6.0	15	460	1473	112	350	95	X	X	X	X	X	X	X	0.8899
			550	L6.5	15	425	2475	152	460	95	X	X	X	X	X	X	X	0.8921
			680	D8.0	15	465	2974	176	160/680	95	X	X	X	X	X	X	X	0.8961
3200	D8.0	25	450	15000	510	---	95	X	X	X	X	X	X	X	0.923			
BEL-RAY CO., IN	PREMIUM ANTI-WEAR HYD OIL	RAYLENE	0	0.75	-25	395	110	---	22	100	X	X	X	X	X	X	0.8602	
			1	1.25	-20	420	155	---	32	100	X	X	X	X	X	X	0.8633	
			2	1.5	-20	440	210	---	46	100	X	X	X	X	X	X	0.8681	
			3	2	-15	465	310	---	68	100	X	X	X	X	X	X	0.8708	
			3	2.5	-15	495	500	---	100	100	X	X	X	X	X	X	0.8762	
	PREMIUM ANTI-WEAR HYDRAULIC OIL (SAME AS RAYLENE) WITH LOW POUR POINT)	BRAYCO MICRONIC	LT-56	RED	-75	220	98.7	45.8	22	292	X	X	X	X	X	X	X	0.8681
			LT-75	BLUE	-70	295	58	33.9	10	40	X	X	X	X	X	X	X	0.8703
			LT-85	---	-65	320	78	36.8	15	75	X	X	X	X	X	X	X	0.8794
			LT-100	---	-55	320	103	41.8	22	163	X	X	X	X	X	X	X	0.8719
			LT-200	---	-40	365	200	51.3	46	163	X	X	X	X	X	X	X	0.8612
BRAY OIL COMPANY	HYDRAULIC FLUID	BRAYCO MICRONIC	756E	RED	-75	180	13(1)	5(1)	15	---	X	X	X	X	X	X	0.873	
			762E	RED	-75	180	13 (1)	5 (1)	15	---	X	X	X	X	X	X	0.855	
			762	2.5	-90	200	3.4(1)	5(1)	15	---	X	X	X	X	X	X	0.855	
			783E	RED	-75	200	14 (1)	---	15	---	X	X	X	X	X	X	0.874	
			790/150AW	14.5	-35	400	154.2	43.8	150	32	X	X	X	X	X	X	0.8816	
			1015	1	-20	390	32.8(1)	5.27(1)	32	100	X	X	X	X	X	X	0.8789	
			15	---	-60	325	15.8(1)	3.82(1)	15	151	**							0.869
CASTROL	HIGH N.I. ANTI-WEAR HYDRAULIC	HYSPIN AWH	32	---	-30	325	32(1)	6.13(1)	32	155	**						0.876	
			46	---	-30	330	47.2(1)	7.98(1)	46	153	**						0.88	
			68	---	-30	330	61.5(1)	10.2(1)	68	165	**						0.882	
			10	---	-50	320	10.0(1)	2.45(1)	10	65	**						0.87	
	ANTI-WEAR HYDRAULIC OIL	HYSPIN AWS	15	---	-40	315	14.6(1)	3.1(1)	15	70	**						0.875	
			22	---	-50	340	23.5(1)	4.08(1)	22	66	**						0.886	
			32	---	-20	420	34.5(1)	5.42(1)	32	100	**						0.873	

(1)CS @ 40EC & 100 EC

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							100-F	210 -F			ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT	
CASTROL (CONTINUED)			46	----	-5	430	46(1)	6.4(1)	46	100	**							0.878
			68	----	-5	440	65(1)	8.1(1)	68	100	**							0.881
			100	----	0	430	100(1)	10.8(1)	100	100	**							0.885
			150	----	0	430	150(1)	14(1)	150	100	**							0.887
CHEVRON OIL	PREMIUM ANTI-WEAR HYDRAULIC OIL	CHEVRON EP	32	1	-25	415	150	44	32	95	X	X	X	X	X	X		0.873
			46	1	-20	425	215	48	46	95	X	X	X	X	X	X		0.8762
			68	1	-20	455	315	54	68	95	X	X	X	X	X	X		0.88
			MV	0.5	-70	310	154	46	32	135	X	X	X	X	X	X	X	
CITIES SERVICE CO.	PREMIUM ANTI-WEAR HYDRAULIC & CIRCULATING OIL	CITGO A/W	32	L1.0	-25	400	150/160	43.4	32	95	X	X	X	X	X	X		0.8676
			46	L1.5	-20	410	215/225	47.5	46	95	X	X	X	X	X	X		0.8746
			68	L3.0	5	420	320/335	53.6	68	95	X	X	X	X	X	X		0.8784
			32	0.5	-25	425	150/160	43.4	32	95	X	X	X	X	X	X		0.866
	ANTI-WEAR HYDRAULIC OIL (ASHLESS NON-ZINC) GEAR & CHAIN LUBRICANT HYDRAULIC OIL	CITGO A/W PACEMAKER XI	46	1	-20	445	215/225	47.6	46	95	X	X	X	X	X	X		0.871
			68	2.5	5	470	320/335	53.6	68	95	X	X	X	X	X		0.876	
			XD32	1	5	425	150/160	43.4	32	95	X	X	X	X	X		0.866	
		CITGO PACEMAKER	XD46	1	5	445	215/225	47.6	46	95	X	X	X	X	X		0.869	
			XD68	1	5	490	320/335	53.6	68	95	X	X	X	X	X		0.875	
			100	2	5	505	495	62	100	95	X	X	X	X		0.879		
			150	3.5	5	525	740	75	150	95	X	X	X	X		0.881		
			320	5	10	555	1600	115	320	95	X	X	X	X		0.885		
			460	6	10	575	2600	154	460	95	X	X	X	X		0.894		
			68	---	---	300	13.8(1)	3.5(1)	15	160	X	X	X	X	X	X		0.8708
CONOCO	COLD CLIMATE ANTI-WEAR HYDRAULIC OIL INDUSTRIAL OIL	REDIND	15	----	-10	375	460	45	32	100	X	X	X	X	X		0.8654	
			21	----	-10	400	205	46	46	100	X	X	X	X	X		0.8708	
			27	----	-10	410	270	50	68	98	X	X	X	X	X		0.8708	
			37	----	-10	420	375	57	100	98	X	X	X	X	X		0.8762	
			45	----	10	425	445	61	100	98	X	X	X	X	X		0.8762	
			68	----	10	430	550	68	150	100	X	X	X	X	X		0.8762	
			84	----	10	440	860	84	150	99	X	X	X	X	X		0.8816	

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											ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT	
DAVIS HOWLAND OIL COMPANY (CONTINUED)	LUBRICANT & HYDRAULIC OIL	CONVIS-OC	150	----	5	405	150	44	32	100	X	X	X	X	X		0.8681	
			200	----	5	420	210	47	46	100	X	X	X	X	X		0.8735	
			300	----	5	435	315	54	68	100	X	X	X	X	X		0.8773	
			500	----	5	465	505	54	100/150	95	X	X	X	X	X		0.8833	
			700	----	5	485	700	72	150	95	X	X	X	X	X		0.886	
DRYDEN OIL CO., INC.	PREMIUM GRADE ANTI-WEAR HYDRAULIC OIL	DRYDENE BLUE	LIGHT	BLUE	-25	395	161.9	44.39	220	95	X	X	X	X	X		0.8592	
			10	BLUE	-25	420	215	48	46	104	X	X	X	X	X		0.8708	
	HYDRAULIC OIL	PARADENE AW	20	BLUE	-15	440	303	53	68	101	X	X	X	X	X		0.8713	
			30	BLUE	-5	495	509	65	100/150	101	X	X	X	X	X		0.8762	
	HYDRAULIC OIL	PARADENE AW	22AW	----	-20	401	114	40.6	22	106	X	X	X	X	X	X		0.8592
			32AW	----	-20	411	160	44.1	32	102	X	X	X	X	X	X		0.8623
			46AW	----	-20	420	215	48	46	102	X	X	X	X	X	X		0.8659
			68AW	----	-15	440	319	54.1	68	101	X	X	X	X	X	X		0.8713
			100AW	----	-5	495	550	65.6	100	100	X	X	X	X	X	X		0.8762
			150AW	----	0	525	755	77.5	150	100	X	X	X	X	X	X		0.8794
			220AW	----	0	540	1132	96	220	100	X	X	X	X	X	X		0.8871
			320AW	----	0	560	1670	120	320	100	X	X	X	X	X	X		0.8877
			460AW	----	0	595	2520	154.7	460	98	X	X	X	X	X	X		0.8916
			TURBINE OIL (ALSO STEAM & HYDRAULIC TURBINES)	ARADENE R & O	2R&O	0.25	5	270	34.4	----	2	100	X	X	X	X	X	
	10R&O	0.5			5	345	65	35.7	10	100	X	X	X	X	X		0.855	
	22R&O	0.75			-20	401	114	40.6	22	106	X	X	X	X	X		0.8592	
	32R&O	1			-20	411	160	44.5	32	102	X	X	X	X	X		0.8623	
	46R&O	1			-20	420	215	48	46	102	X	X	X	X	X		0.8659	
	68R&O	1			-20	440	319	54.1	68	101	X	X	X	X	X		0.8713	
	EXTREME PRES-SURE WORM GEAR LUBRICANT	DRYDEN EP GEAR LUB.	1	----	-25	445	208	47.4	46	103	X	X	X	X		----		
2			----	-25	460	302	53	68	100	X	X	X	X		----			
3			----	-25	495	445	90.5	100	98	X	X	X	X		----			
4			----	-20	515	750	78	150	100	X	X	X	X		----			
5			----	-15	545	1300	101	220/320	99	X	X	X	X		----			
6			----	-15	555	1425	112	320	101	X	X	X	X		----			
7			----	-5	575	2020	137	460	102	X	X	X	X		----			
8			----	0	595	2967	165	680	96	X	X	X	X		----			

HYDROCARBON BASE OIL											ADDITIVES						SPEC. GRAVITY			
NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER		DETERGENT	VE IMPROVERS	
EXXON COMPAN'	PREMIUM ANTI-WEAR HYDRAULIC OIL	NUTO H	32	2	-25	410	155	43.7	32	103	X	X	X	X	X	X			0.871	
			46	2	-20	420	220	48	46	102	102	X	X	X	X	X	X			0.873
			68	2.5	-20	440	329	54.5	68	101	101	X	X	X	X	X	X			0.878
			100	2.5	-10	460	495	63.1	100	96	96	X	X	X	X	X	X			0.882
	HIGH V.I. ANTI-HYDRAULIC OIL	UNIVIS	J13	RED	-75	200	75.33	43.36	15	378	378	X	X	X	X	X	X			0.8607
			J26	0.5	-75	215	132.3	59.71	22/32	395	395	X	X	X	X	X	X			0.8602
			P32	3.5	-50	310	164.6	49.71	32	189	189	X	X	X	X	X	X			0.88
	CIRCULATING AND HYDRAULIC OIL	NUTO	32	----	-10	405	158	43.8	32	101	101	X	X	X	X	X	X			0.87
			46	----	420	223	48.1	46	101	101	101	X	X	X	X	X	X			0.874
			68	----	-5	435	329	54.4	68	100	100	100	X	X	X	X	X			0.878
			100	----	-5	465	494	63.9	100	100	100	100	X	X	X	X	X			0.882
			150	----	0	510	763	78.3	150	100	100	100	X	X	X	X	X			0.884
			220	----	0	530	1093	95.4	220	100	100	100	X	X	X	X	X			0.888
			320	----	25	550	1579	118.3	650	100	100	100	X	X	X	X	X			0.891
	PREMIUM ANTI-WEAR TURBINE OIL	TERESSTIC EP	460	----	20	585	2284	148.6	460	100	100	X	X	X	X	X			0.894	
			32	L1.0	15	430	155	44	32	109	109	X	X	X	X	X	X			0.8654
	68	1	15	475	329	56	68	409	409	409	X	X	X	X	X	X			0.874	
	PREMIUM CIRCULATING & STEAM TURBINE OIL	TERESSTIC EP	32	----	-5	410	154.5	44.3	32	112	112	X	X	X	X	X	X			0.859
			33	----	-5	405	158	46.8	32	101	101	X	X	X	X	X	X			0.87
			46	----	-5	435	222	48.3	46	105	105	105	X	X	X	X	X			0.872
68			----	-5	455	329	55.5	68	108	108	108	X	X	X	X	X			0.874	
77			----	-5	485	398	59.8	60/100	109	109	109	X	X	X	X	X			0.876	
100			----	0	510	546	68.1	100	106	106	106	X	X	X	X	X			0.879	
150			----	0	520	825	82.6	150	102	102	102	X	X	X	X	X			0.884	
220			----	0	530	1093	95.4	220	100	100	100	X	X	X	X	X			0.888	
320			----	25	550	1579	118.3	650	100	100	100	X	X	X	X	X			0.891	
460			----	20	585	2284	148.6	460	100	100	100	X	X	X	X	X			0.894	
PREMIUM PAPER MACHINE OIL	TERESSTIC N	150	4.5	20	500	743	78.8	150	103	103	X	X	X	X	X	X	X		0.8866	
		220	5.5	20	525	1140	99.9	220	104	104	X	X	X	X	X	X	X		0.8911	
FISKE BROS. REFINING CO.	PREMIUM PAPER MULTI-USE HYDRAULIC & LUBRICATING OIL	LUBRIPLATE	HO-O	2-	-30	415	160	46	32	136	136	X	X	X	X	X	X	X		0.8676
			HO-1	2-	-25	420	213	49	46	120	120	X	X	X	X	X	X			0.8708
			HO-2	2-	-20	430	309	54	68	106	106	106	X	X	X	X	X			0.8735
			HO-2a	3-	-15	445	518	66	100/150	104	104	104	X	X	X	X	X			0.8789
			HO-3	3-	-10	460	690	75	150	102	102	102	X	X	X	X	X			0.8794

NAME	CATEGORY	BRAND NAME	HYDROCARBON BASE OIL								ADDITIVES								SPEC. GRAVITY
			GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT	VE IMPROVERS	
FISKE BROS. (CONTINUED)			HO-4	5-	0	470	840	83	150/220	101	X	X	X	X	X	X		0.88	
			HO-5	5	10	408	1510	111	320	96	X	X	X	X	X	X		0.8893	
GULF OIL CORP.	PREMIUM ANTI-WEAR HYDRAULIC OIL		32AW	L0.5	-25	400	155	43.9	32	103	X	X	X	X	X	X		0.8703	
			46AW	L0.5	-25	405	220	48.2	46	105	X	X	X	X	X	X		0.8746	
			68AW	L1.0	-20	450	325	54.6	68	104	X	X	X	X	X	X		0.8789	
			100AW	L1.5	5	465	500	64	100	99	X	X	X	X	X	X		0.8822	
			150AW	L2.5	5	475	724	76	150	99	X	X	X	X	X	X		0.886	
	HYDRAULIC & MULTI-PURPOSE OIL	HARMONY	22	L0.5	10	400	112	40.4	22	96	X	X	X	X	X		0.8638		
			32	L0.5	5	410	150.2	43.3	32	102	X	X	X	X	X		0.8686		
			46	L0.5	5	425	218	47.39	46	101	X	X	X	X	X		0.873		
			68	L1.0	10	450	323	54.3	68	102	X	X	X	X	X		0.8767		
			90	L1.5	10	480	460	62	0.68	100	X	X	X	X	X		0.8816		
			115	L2.0	10	500	610	69.4	68/100	97	X	X	X	X	X		0.8833		
			150	L3.0	5	505	762	76.7	100/150	95	X	X	X	X	X		0.8855		
			220	L4.0	5	515	1084	93.4	220	97	X	X	X	X	X		0.891		
			320	L5.0	5	540	1598	116.6	320	97	X	X	X	X	X		0.895		
			460	L6.0	5	560	2492	152.5	460	97	X	X	X	X	X		0.8996		
PAPER MACHINE OIL W/O DETERGENT		680	L7.0	5	590	6826	200	680	97	X	X	X	X	X		0.9025			
		150N	L2.0	5	505	813	75.3	150	84	X	X	X	X	X	N	0.8927			
		PAPER MACHINE OIL WITH DETERGENT	78EP	L2.0	5	480	407	58.7	0.68	99	X	X	X	X	X	X	0.8822		
		MARINE TURBINE OIL	150D	L3.0	5	505	728	75.8	150	97	X	X	X	X	X	X	0.8866		
		E.F. HOUGHTON & COMPANY	HIGH PERFORMANCE ANTI-WEAR HYDRAULIC OIL	150	3	10	370	145/155	43.4	32	95	X	X	X	X	X	X	0.8789	
200	3			10	420	190/210	47	46	95	X	X	X	X	X		0.8789			
300	3			10	440	290/310	53	68	95	X	X	X	X	X		0.878			
HYDROTEX	ANTI-WEAR HYDRAULIC OIL	500	5	10	450	480/500	62	100	95	X	X	X	X	X		0.8816			
		216	2	-10	400	165/210	44/47	32/46	95	X	X	X	X		0.0273				
		217	3	0	420	260/330	50/54	68	95	X	X	X	X		0.0273				
		218	5	10	450	440/535	60/65	100	95	X	X	X	X		0.0111				
		219	5	10	475	600/800	70/75	150	95	X	X	X	X		0.0111				
HIGH V.I. HYDRAULIC OIL	HY-TORQUE	----	RED	-35	380	250	56/58	46	130	X	X	X	X	X	X		-0.0035		

NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	HYDROCARBON BASE OIL							ADDITIVES							SPEC. GRAVITY
				COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT	
KENDALL REFINING CO. DIVISION OF VITCO CHEMICAL	MULTIGRADE HYDRAULIC OIL NON-DETERGENT MOTOR OIL	HYKEN GOLDEI	5W-20	1	-40	410	174	50.4	-14	183	X	X	X	X	X	X	X	0.8581
		KENDALL	10W	4.5	-20	380	195	47	46	110	X	X	X	X	X		N	0.8681
			20-20W	5	-10	400	358.2	57.2	0.68	102	X	X	X	X	X		N	0.8762
			30	6	0	410	568.2	68.5	68/100	100	X	X	X	X	X		N	0.8778
			40	6	10	420	835.7	83.5	100/150	100	X	X	X	X	X		N	0.8822
			50G	6	10	430	1177.7	100.5	150/220	100	X	X	X	X	X		N	0.8844
			J60	6	10	500	1531	120	220/320	100	X	X	X	X	X		N	0.8877
			GG70	6	25	550	2302	153.5	460	100	X	X	X	X	X		N	0.8888
	AUTOMATIC TRANS- TRANSMISSION & LUBE	KENDALL	DEXRON II	----	-45	370	166	48	32	159	X	X	X	X	X	X	X	0.874
			FORD M2C33F	----	-45	390	187.6	50.6	32/46	166	X	X	X	X	X	X	X	0.8682
			GT-1 RACING	----	-45	390	190	51.3	46	182	X	X	X	X	X		X	0.868
	TURBINE OIL	KENOIL R&O	047-EP	2	-15	400	200	47.2	46	110	X	X	X	X	X	X		0.8681
			053-EP	2.5	-5	415	300	53.1	68	102	X	X	X	X	X	X		0.8762
			065EP	2.5	0	460	500	63.6	100	65	X	X	X	X	X	X		0.8789
			080-EP	3.5	10	490	785	81.2	150/220	104	X	X	X	X	X	X		0.8767
	LUBRICANT PNEUMATIC TOOL & WAY LUBRICANT	HYKEN GOLDEI	O52	----	-40	400	230	55.5	46	158	X	X	X	X	X		X	0.8798
		KENOIL	945-EP	4.5	-20	390	175.9	46.3	32/46	120	X	X	X	X	X			0.8726
			965-EP	4.5	0	420	483.9	65.5	100	110	X	X	X	X	X			0.8844
			985-EP	6	15	420	888.2	87.3	150	110	X	X	X	X	X			0.8952
	INDUSTRIAL OIL	KENOIL	O40	3	-10	360	95.8	39.1	22	101	X	X		X				0.8681
			O 45	4.5	-25	360	169.2	45	32/46	108	X	X	X	X				0.8697
			O51	4.5	0	410	275.1	51.3	46/68	101	X	X		X				0.8767
			O61	4.5	0	420	421.1	60.7	100	105	X	X		X				0.8794
	GEAR TRANS- MISSION OIL	KENTRAN	O80	3.5	-10	490	785	81.2	150/220	104	X	X	X	X	X	X		0.8767
		KENDALL	155	----	20	520	2836.4	170	460/680	100	X	X		X				0.8927
		COMPOUNDED	206	----	30	565	4501.7	220	1000	97	X	X		X				0.884
	GEAR LUBE	3 STAR GEAR LUBRICANT	80W-90	----	-20	310	2142	128.4	220/320	140	X	X	X	X	X		X	0.8939
		NS-MP	75W	----	-40	370	123.5	42.1	22/32	110	X	X	X	X	X			0.8816
		HYPOID	80W-90	----	-30	420	916	82	150/220	100	X	X	X	X	X			0.8927
		GEAR LUBE	85W-140	----	0	425	2459.2	151.8	460	97	X	X	X	X	X			0.9042

HYDROCARBON BASE OIL

ADDITIVES

NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT-F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ADDITIVES							SPEC. GRAVITY
											ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT	
MOBIL OIL CORP. (CONTINUED)			AA	7.5	20	450	1530/1705	114	320	95	X	X	X	X	X			0.8986
			HH	7	25	460	2215/2460	148	460	95	X	X	X	X	X			0.9013
	SEAL	ETNA	24	4	20	360	145/155	43	32	92	X	X	X	X	X		X	0.8939
	CONDITIONING	20 SERIES	25	5	20	360	190/210	46	46	95	X	X	X	X	X		X	3895
			26	7	25	360	290/310	52	62	95	X	X	X	X	X		X	0.899
	HYDROSTATIC DRIVE FLUID	MOBIL FLUID	350	3.5	-40	370	195	52	32/46	163	X	X	X	X	X		X X	0.887
			423	----	-50	395	267	56	46/68	160	X	X	X	X	X		X X	0.8927
	AUTOMATIC TRANS. FL.	ATF (TYPE F)	210	RED	-50	350	185	52	32/46	180	X	X	X	X	X		X X	0.868
	COMBO HYD./SLIDE & WAY OIL	DEXTRON II	220	RED	-50	320	187	50	32/46	159	X	X	X	X	X		X X	0.867
		VACUOLINE	1405	3	15	385	150/160	43	32	----	X	X	X	X		X		0.8762
	1400	1409	3	20	390	315/355	54.5	68	----	X	X	X	X		X		0.8984	
CIRCULATING OIL	D.T.E.	LIGHT	1.5	20	395	150/165	44	32	100	X	X	X	X		X X		0.871	
	NAMED SERIES	MEDIUM	2	20	400	215/240	48	46	100	X	X	X	X		X X		0.876	
		MED. HEAVY	2.5	20	400	315/355	55	68	100	X	X	X	X		X X		0.879	
		HEAVY	2.5	20	410	410/440	60	0.68	100	X	X	X	X		X X		0.882	
		XTRA HEAVY	3.5	25	420	710/790	76	150	95	X	X	X	X		X X		0.887	
		BB	7.5	25	440	1045/1165	93	220	95	X	X	X	X		X X		0.89	
		AA	8	25	460	1530/1700	110	320	95	X	X	X	X		X X		0.897	
		HH	8	25	520	2215/2460	138	460	95	X	X	X		X X		0.9		
	CIRCULATING OIL (NO-TWIST)	VACUOLINE	525	3.5	10	435	440/490	63	100	95	X	X	X	X	X		X X	0.8871
	ROD MILLS OIL	500 SERIES	528	3.5	10	435	665/735	75	150	95	X	X	X	X	X		X X	0.8871
COMPRESSOR LUBE OIL		546	6.5	15	545	2300/2500	155	460	95	X	X	X	X	X X			0.8927	
STEAM CYLINDER WORM GEAR	D.T.E.	103	5	-5	390	575	58	68/100	----	X	X	X	X				0.922	
		105	8	15	435	1400	84	230	----	X	X	X	X				0.919	
		107	8	25	450	2300	113	460	----	X	X	X	X				0.916	
	CYLINDER OIL	CYLINDER OIL	600W	MARK GRN	40	540	2000	142	100/150	99	X	X	X	X				0.9013
			600W SUPER	MARK GRN	40	540	2500	155	460	95	X	X	X	X				0.899
			EXTRA HECLA	MARK GRN	40	565	3650	198	680	95	X	X	X	X				0.9056
			EXTRA HECLA	----														
			MINERAL	MARK GRN	40	590	4500	230	320/460	95	X	X	X	X				0.9042
	ROCK DRILL OIL	ALMO	525	3	-10	370	215/245	48	46	90	X	X	X	X				0.8888
		500 SERIES	527	5	-20	390	535/565	65	100	85	X	X	X	X				0.8944
		529	7	-10	400	750/800	78.5	150	90	X	X	X	X				0.8967	
		532	7	0	450	1450/1600	115	320/460	90	X	X	X	X				0.8967	

HYDROCARBON BASE OIL											ADDITIVES							SPEC. GRAVITY	
NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT		VE IMPROVERS
E ORELUBE COF	NON-LEAK NON-WEAR HYDRAULIC OIL LOW TEMP VERSION OF 111W	111W	----	AMBER	-15	385	150	----	32	185	X	X	X	X	X		X		0.86
		111LT	----	AMBER	-35	335	100	----	22	145	X	X	X	X	X		X		----
PENNZOIL	PREMIUM ANTI-HYDRAULIC OIL	AW HYD. OIL	22	1.5	-30	375	110	40	22	----	X	X	X	X	X	X			0.865
			32	2	-25	400	130	43	32	----	X	X	X	X	X	X			0.868
			46	3	-25	410	230	47	46	----	X	X	X	X	X	X			0.873
			68	4.5	-30	420	335	53	68	----	X	X	X	X	X	X			0.879
			100	5	10	440	495	63	100	----	X	X	X	X	X	X			0.887
			150	6	10	430	730	75	150	----	X	X	X	X	X	X			0.893
PHILLIPS PETROLEUM CO	PREMIUM ANTI-WEAR HYDRAULIC OIL	MAGNUS A	150	2	-30	400	170	45	22	110	X	X	X	X	X	X			0.8708
			215	2.5	-30	410	225	48	32	110	X	X	X	X	X	X			0.8762
			315	2.5	-30	440	350	54	46	105	X	X	X	X	X	X			0.8789
			465	3	-15	450	520	64	68	100	X	X	X	X	X	X			0.8844
	HYDRAULIC & CIRCULATING OIL	MAGNUS OILS	105	1	-30	380	100	40	100	107	X	X	X	X		X			0.8628
			150	2	-30	410	155	44	22	110	X	X	X	X		X			0.8708
			215	2	-25	420	210	48	32	110	X	X	X	X		X			0.8762
			315	3	-25	450	310	55	46	110	X	X	X	X		X			0.8816
			465	3.5	-15	460	490	63	68	100	X	X	X	X		X			0.8844
			700	4.5	-5	475	750	78	100	100	X	X	X	X		X			0.8899
			100	5	5	475	1050	92	450	98	X	X	X	X		X			0.8956
			1500	5.5	10	500	1500	110	220	95	X	X	X	X		X			0.8984
	HEAVY DUTY TRANSMISSION & TORQUE CONVERTER OIL	PHILLIPS	C-2/C-3	----	-30	390	175	45	320	105	X	X	X	X	X	X	X		0.8989
SHELL OIL CO.	PREMIUM HYDRAULIC & CIRCULATING OIL	TELLUS	22	----	-20	400	124	41.4	22	103	X	X	X	X					----
			32	----	-20	420	167	44.2	32	103	X	X	X	X	X				----
			46	----	-10	430	218	42.5	46	100	X	X	X	X	X				----
			68	----	-5	455	334	53.4	68	93	X	X	X	X	X				----
			100	----	0	495	496	61.7	100	90	X	X	X	X	X				----
	TURBINE OIL	TURBO	32	----	-20	400	150	----	32	----	X	X	X	X					----
			46	----	-10	420	205	----	46	----	X	X	X	X					----
			68	----	-10	450	310	----	68	----	X	X	X	X					----

NAME	CATEGORY	BRAND NAME	HYDROCARBON BASE OIL							ADDITIVES					SPEC. GRAVITY		
			GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST		ANTI-WEAR	DEMULSIFIER DETERGENT
			78	---	-10	440	410	---	78	---	X	X	X	X			---
			100	---	-10	480	480	---	100	---	X	X	X	X			---
			150	---	-10	490	650	---	150	---	X	X	X	X			---
			220	---	10	490	1000	---	220	---	X	X	X	X			---
			320	---	10	525	1500	---	320	---	X	X	X	X			---
			460	---	10	525	2150	---	460	---	X	X	X	X			---
STANDARD OIL OF OHIO	HIGH PERFORMANCE LUBRICATION & HYDRAULIC OIL	INDUSTRON	32	0.5	-50	175	33.6	---	2	---	X	X	X	X	X	X	0.8117
SO MARKETED ,	HYDRAULIC OIL		34	0.5	15	350	62.4	35.2	10	95	X	X	X	X	X	X	0.8488
IRON OIL, SAME			49	1	0	370	82.1	37.8	15	95	X	X	X	X	X	X	0.8534
AMES & GRADES)			40	1.5	-25	410	108	40	22	95	X	X	X	X	X	X	0.8612
			44	L1.0	--20	400	153	43	32	95	X	X	X	X	X	X	0.8713
			48	L1.0	-25	455	221	47	46	95	X	X	X	X	X	X	0.8751
			53	1.5	-20	470	339	54	68	95	X	X	X	X	X	X	0.88
			66	3	5	495	540	66	100	95	X	X	X	X	X	X	0.8855
			80	6	0	485	774	78	150	95	X	X	X	X	X	X	0.8822
			100	6	5	545	1155	95	220	95	X	X	X	X	X	X	0.8871
			120	7	10	530	2375	145	460	90	X	X	X	X	X	X	0.8927
			156	7.5D	20	530	3360	171	680	85	X	X	X	X	X	X	0.9159
			250	8D	25	530	5317	220	1000	85	X	X	X	X	X	X	0.9316
	MULTI-PURPOSE LUBRICATING OIL & HYDRAULIC OIL	FACTOVIS	40	1	-25	385	106	40	22	95	X	X	X	X			0.8665
			43	1	-25	420	165	44	32	95	X	X	X	X			0.8703
			47	1.5	-15	455	227	48	46	95	X	X	X	X			0.8746
			52	1.5	-5	475	340	55	68	95	X	X	X	X			0.8708
			65	2	-5	490	490	63	100	95	X	X	X	X			0.8784
			80	5.5	10	505	1160	96	220	95	X	X	X	X			0.8855
	AUTOMATIC TRANSMISSION FLUID	DEXRON II	---	RED	-40	390	185.4	49.1	32/46	150	X	X	X	X	X	X	0.871
	UNIVERSAL TRACTOR OIL	ELDORAN	UTH	5.5	-30	410	261	54.5	46/68	139	X	X	X	X	X	X	---
	EXTREME PRESSURE GEAR TRANS-LUBRICANT	GEAREP	85	2	-20	400	350	55	68/100	100	X	X	X	X			0.8827
			85	4	0	400	650	72	150	95	X	X	X	X			0.8893
			90	4.5	0	400	1025	90	220	95	X	X	X	X			0.8927
			125	5	0	410	1750	120	320/460	95	X	X	X	X			0.8973
			140	5.5	0	420	2320	143	460	95	X	X	X	X			0.9001

HYDROCARBON BASE OIL

ADDITIVES

NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ADDITIVES							SPEC. GRAVITY		
											ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT		VE IMPROVERS	
STANDARD OIL (CONTINUED)			170	8	5	420	3110	171	680	95	X	X	X	X				0.9019		
			250	8	15	420	4230	213	1000	95	X	X	X	X				0.91		
			500	8	35	470	-	525	----	----	----	X	X	X	X			0.9334		
SUN OIL CO.	PREMIUM ANTI-WEAR HYDRAULIC OIL W/ DETERGENT	SUNVIS 700 SERIES	80W-140	----	-20	395	1321	142.8	220/320	152	X	X	X	X	X		X	0.9071		
			701	1.5	-20	400	107	40.2	22	104	104	X	X	X	X	X		X	0.8602	
			706	1.5	-25	395	155	43.8	32	105	105	X	X	X	X	X		X	0.8659	
			747	1.5	-25	410	208	47.4	46	104	104	X	X	X	X	X		X	0.8692	
			754	2	-25	430	310	53.4	68	101	101	X	X	X	X	X		X	0.8719	
			764	2.8	5	485	505	63.8	100	97	100	97	X	X	X	X	X		X	0.8778
			775	3.5	5	495	725	75	150	96	150	96	X	X	X	X	X		X	0.8822
			790	4.5	5	510	1050	91	220	96	220	96	X	X	X	X	X		X	0.8849
			7100	5	5	535	1250	100	----	96	----	96	X	X	X	X	X		X	0.8866
			7150	5.5	5	580	2600	155	----	96	----	96	X	X	X	X	X		X	0.8927
	PREMIUM ANTI-WEAR HYD OIL	SUNVISWR	816WR(32)	1	-25	410	164	44.1	32	99	99	X	X	X	X	X	X		0.867	
			821WR(46)	L1.5	-25	430	236	48.5	43	98	98	X	X	X	X	X			0.8703	
			831WR(68)	2.5	-20	445	352	22.3	68	98	98	X	X	X	X	X			0.8724	
			851WR(100)	2.5	5	4810	524	64.2	100	95	95	X	X	X	X	X			0.8767	
			865WR(150)	L4.0	5	485	788	78.2	150	96	96	X	X	X	X	X			0.88	
ANTI-WEAR ANTI-LEAK HYDRAULIC OIL	SUNTAC WR	150WR	----	-30	0	210	44	46	37	37	X	X	X	X	X			0.9159		
		202WR	----	-25	----	280	43.8	46	32	32	X	X	X	X	X			0.9189		
		302WR	----	-15	----	405	51.1	68/100	30	30	X	X	X	X	X			0.9279		
		502WR	----	-5	----	650	57.6	100/150	15	15	X	X	X	X	X			0.931		
		752WR	----	5	----	1080	67.5	220	----	----	X	X	X	X	X			0.934		
HIGH VOL. ANTI-WEAR HYDRAULIC OIL	SUN HYD. OIL	1203WR	----	10	----	2020	83.2	460	----	----	X	X	X	X	X			0.9371		
		1205	4.5	-45	405	194	52	46	176	176	X	X	X	X	X	X		0.8626		
HYDRAULIC & SLIDEWAY OIL AIR COMPRESSOR LUBRICANT	SUN LUBEWAY	1706	1.5	-25	395	155	----	32	----	----	X	X	X	X		X		0.8659		
		1754	1.5	-20	43	310	----	----	----	----	----	X	X	X	X	X			0.8719	
	SOLNUS AC	AC300	----	-15	350	310	----	68	----	----	----	X	X	X	X	X			0.9249	
		AC500	----	-10	365	515	----	100/150	----	----	----	X	X	X	X	X			0.931	
		AC650	----	-5	375	675	----	150	----	----	----	X	X	X	X	X			0.934	
		AC750	----	0	380	775	----	150/220	----	----	----	X	X	X	X	X			0.9371	
		AC1200	----	5	400	1250	----	220/320	----	----	----	X	X	X	X	X			0.9402	
		AC2200	----	15	440	2300	----	460	----	----	----	X	X	X	X	X			0.9434	

HYDROCARBON BASE OIL

ADDITIVES

NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ADDITIVES							SPEC. GRAVITY	
											ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT		VE IMPROVERS
TEXACO, INC.	LUBRICATING OIL & CIRCULATING OIL (NON-EP SERVICE)	SUNVIS SERIES	907	----	----	----	75	----	15	88	X	X	X	X	X			----	
			900	----	----	----	11	----	22	97	X	X	X	X	X			----	
			916	----	----	----	155	----	32	99	X	X	X	X	X	X			----
			921	----	----	----	208	----	46	96	X	X	X	X	X	X			----
			931	----	----	----	310	----	68	96	X	X	X	X	X	X			----
			951	----	----	----	500	----	100/150	96	X	X	X	X	X	X			----
			961	----	----	----	625	----	150	96	X	X	X	X	X	X			----
			975	----	----	----	750	----	150	96	X	X	X	X	X	X			----
			999	----	----	----	975	----	220	95	X	X	X	X	X	X			----
			9112	----	----	----	1475	----	320	95	X	X	X	X	X	X			----
	9150	----	----	----	2600	----	460/680	95	X	X	X	X	X	X			----		
	ANTI-WEAR HYDRAULIC OIL	RANDO	AA	----	-55	340	107	38.4	22	----	X	X	X	X	X			0.9159	
			A	----	-25	400	154	43.7	32	----	X	X	X	X	X			0.8676	
			B	----	-30	420	215	48	46	----	X	X	X	X	X			0.873	
			C	----	-25	440	326	53.7	68	----	X	X	X	X	X			0.88	
			F	----	-5	480	620	67.8	100/150	----	X	X	X	X	X			0.8893	
			G	----	0	485	920	86.7	220	----	X	X	X	X	X			0.8916	
			HDAZ	----	-40	370	154	50.1	32	212	212	X	X	X	X	X	X	X	0.8681
			HD32	----	-30	410	154	43.8	32	103	103	X	X	X	X	X	X		0.8708
			HD46	----	-30	415	215	47.7	46	102	102	X	X	X	X	X	X		0.8746
			HD68	----	-25	425	320	53.5	68	98	98	X	X	X	X	X	X		0.88
	HD150	----	-5	460	720	72.7	150	90	90	X	X	X	X	X	X		0.891		
	HD220	----	10	460	1004	85.7	220	90	90	X	X	X	X	X	X		0.8944		
	AUTOMATIC TRANSMISSION FLUID	TEXAMATIC A.T. FLUID	8570 DEXRON	----	-45	390	203	52.4	46	168	168	X	X	X	X	X	X	X	0.8724
			DEXRON II 1876 TYPE F	----	-50	380	185	50.7	32/46	172	172	X	X	X	X	X	X	X	0.8681
HEAVY DUTY TRANSMISSION OIL	TORQUE FLUID	C3	----	-55	370	189	50.2	32/46	160	160	X	X	X	X	X	X		----	
		PREMIUM LIGHT	----	-40	375	109	40.6	22	109	109	X	X	X	X	X			----	
		TDH	----	-70	320	61.4	34.6	10	55	55	X	X	X	X	X			----	
TRANSMISSION DIFFERENTIAL HYDRAULIC OIL		TDH	----	-35	425	330	60.4	68	142	142	X	X	X	X	X		----		

HYDROCARBON BASE OIL

ADDITIVES

NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ADDITIVES							SPEC. GRAVITY	
											ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT		VE IMPROVERS
UNION OIL CO.	TURBINE OIL R & O	REGAL	32	----	-30	410	151	43.8	32	106	X	X	X	X	X			0.8681	
			46	----	2	425	208	47.2	46	101	X	X	X	X	X			8735	
			68N	----	-30	405	314	14.1	68	----	X	X	X	X	X			0.9042	
			68	----	0	430	310	52.7	68	96	X	X	X	X	X			0.8789	
			100N	----	-20	420	500	55.1	100	93	X	X	X	X	X			0.9118	
			100	----	5	455	420	58.4	100	93	X	X	X	X	X			0.8822	
			150	----	5	475	675	70.6	150	90	X	X	X	X	X			0.8888	
			220	----	10	505	975	85	220	91	X	X	X	X	X			0.8905	
			270	----	10	530	1223	95.9	220/320	91	X	X	X	X	X			0.8916	
			68	----	-35	400	312	52.8	68	96	X	X	X	X	X			0.7916	
	150	----	-20	405	681	74.7	150	102	X	X	X	X	X			0.8967			
	220	----	-10	400	952	85.7	220	95	X	X	X	X	X			0.9025			
	320	----	0	430	1474	112	320	98	X	X	X	X	X			0.9083			
	460	----	0	440	2176	138	460	97	X	X	X	X	X			0.9124			
	680	----	0	480	3085	172	680	96	X	X	X	X	X			0.9159			
	1000	----	5	460	4464	213	1000	95	X	X	X	X	X			0.9194			
	1500	----	15	480	6633	275	1500	99	X	X	X	X	X			0.9218			
	3200	----	40	550	14648	418	----	90	X	X	X	X	X			0.9261			
	UNION OIL CO.	ANTI-WEAR HYDRAULIC OIL	HYDR. OIL UNAX AW	150	----	-30	415	150215	43.6	32	107	X	X	X	X	X			0.8746
				215	----	-30	420	215	48.1	46	107	X	X	X	X	X			0.8816
315				----	-30	430	315	54.6	68	107	X	X	X	X	X			0.8838	
465				----	5	440	465	61.6	100	97	X	X	X	X	X			0.8877	
700				----	10	440	700	74	150	97	X	X	X	X	X			0.8921	
1000		L7.5	10	475	1000	73	220	85	X	X	X	X	X			0.91			
1500		----	15	440	1500	111	320	96	X	X	X	X	X	X			0.899		
GENERAL PURPOSE		SPECIAL -HYDRAULIC OIL	150	1.5	-25	430	150	43	32	95	X	X	X	X	X			0.8767	
ANTI-WEAR			215	2.5	-25	450	215	47	46	95	X	X	X	X	X			0.8855	
HYD OIL			315	4.5	-25	440	330	54	68	95	X	X	X	X	X			0.8921	
			465	5	-15	465	465	61	100	95	X	X	X	X	X			0.897	
			700	6	10	475	700	71	150	89	X	X	X	X	X			0.9036	
HYDRAULIC TRANSMISSION OIL		UNION C-3	10W	RED	-22	419	185.7	46.12	32/46	107	X	X	X	X	X			0.8953	
30			RED	0	442	533.4	64.52	100	94	X	X	X	X	X			0.9121		

HYDROCARBON BASE OIL

ADDITIVES

NAME	CATEGORY	BRAND NAME	GRADE CALLOUT	COLOR D-1500	POUR POINT-F	FLASH POINT -F	VISCOSITY 100-F	SUS 210 -F	ISO - VG GRADE/IDENT.	VISC. INDEX	ADDITIVES							SPEC. GRAVITY	
											ANTI-CORROSION	ANTI-FOAM	ANTI-OXIDANT	ANTI-RUST	ANTI-WEAR	DEMULSIFIER	DETERGENT		VE IMPROVERS
ARTHUR C. (CONTINUED)	MULTI VISCOSITY ANTI-WEAR HYDRAULIC OIL INDUSTRIAL OIL	WITHROLUBE	624	2	---	420	300	56	46/68	---	X	X	X	X	X			0.8681	
	INDUSTRIAL OIL	S" SERIES	LIGHT	2	---	405	155	44.1	32	105	X	X	X	X				0.8681	
			MEDIUM HEAVY	2	---	425	235	48.9	46	95	X	X	X	X				0.8713	
			MEDIUM	3	---	445	309	55.8	68	95	X	X	X	X				0.8772	
			HEAVY	3.5	---	450	444	59.9	68/100	95	X	X	X	X				0.8783	
			EXTRA HEAVY	4	---	460	581	67	100	95	X	X	X	X				0.8822	
	INDUSTRIAL OIL EP LUBRICANT	AP GEAR LUBRICANT	900	4	---	460	950	84.7	150	95	X	X	X	X				0.8827	
			S60	1.5	---	355	71	36	10	---	X	X	X	X				0.8493	
			90	---	10	---	1380	90	220/320	92	X	X	X	X				---	
	MOTOR OIL	TRIP-L-FILM CUSTOM	140	---	20	---	2500	150	460/680	91	X	X	X	X				---	
			SAE20	3.5	-10	445	320	54.6	68	104	104	X	X	X	X	X		X	0.8816
			SAE30	4.5	5	465	580	66.6	100/150	104	104	X	X	X	X	X		X	0.886
			SAE40	4.5	10	480	830	82.1	150/220	98	X	X	X	X	X		X	0.8882	