

PLANT ENGINEERING magazine's exclusive guide to interchangeable lubricants 2001

ISO Viscosity grade	Viscosity, SUS at 100 F	Alithicon Lubricants Div., Southeast Oil & Grease Co. Albany, GA alithicon.com	American Agip Co., Inc. Cabot, PA americanagip.com	American Lubricants, Inc. Buffalo, NY	American Petroleum Resources, Inc. Los Angeles, CA
General purpose lubricants					
32	135-165	6510 Para/Syn	Turbine R&O 32	Hyd ISO 32	ISO 32
46	194-236	6520 Para/Syn	Turbine R&O 46	Hyd ISO 46	ISO 46
68	284-346	6530 Para/Syn	Turbine R&O 68	Hyd ISO 68	ISO 68
150	630-770	6540 Para/Syn	Turbine R&O 150	Hyd ISO 150	ISO 150
220	900-1100	6550 Para/Syn	Turbine R&O 220	Hyd ISO 220	ISO 220
460	1935-2365	6560 Para/Syn	Turbine R&O 460	Hyd ISO 460	ISO 460
Antiwear hydraulic oil					
32	135-165	6510 Para/Syn	AW Hyd 32	AW Hyd 32	Premium AW 32
46	194-236	6520 Para/Syn	AW Hyd 46	AW Hyd 46	Premium AW 46
68	284-346	6530 Para/Syn	AW Hyd 68	AW Hyd 68	Premium AW 68
Spindle oil					
2	29-35	S-002	Spindle 2	Spindle Light	ISO 2
10	54-66	S-010	Spindle 10	Spindle 60	ISO 10
22	95-115	S-022	Spindle 22	Spindle 100	ISO 22
Way oil					
32	135-165	WL-32 Para/Syn	Waylube 32	Way 32	ISO 32
68	284-346	WL-68 Para/Syn	Waylube 68	Way 68	ISO 68
220	900-1100	WL-220 Para/Syn	Waylube 220	Way 220	ISO 220
Extreme pressure gear oil					
68	284-346	SGO-68	Ind Gear EP 68	EP 300 Gear	EP 68
150	630-770	SGO-150	Ind Gear EP 150	EP 700 Gear	EP 150
320	135-1650	SGO-320	Ind Gear EP 320	EP 1500 Gear	EP 320
Worm gear oil					
460	1935-2365	IGO-460	Cylinder 460	Worm Gear 460	ISO 460
Cling type gear shield (open gears)					
—	—	OG-7000	Open Gear	Super Gear Shield	—
General purpose extreme pressure lithium based grease					
—	NLGI 2	9992-TL Para/Syn	Lith EP 2	Lith EP 2	Lith EP 2
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	M-888	Lith Moly EP 2	Moly 2	Moly EP 2

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General purpose lubricants						
32	135-165	Harmony 32 334202	RCH	3032, 4032	Tena-Film 150TH	Hy Circ R&O 32
46	194-236	Harmony 46 334204	RCI	3046, 4046	Tena-Film 300LTH	Hy Circ R&O 46
68	284-346	Harmony 68 334206	RCJ	3068, 4068	Tena-Film 300MTH	Hy Circ R&O 68
150	630-770	Harmony 150 334214	RCL	3150, 4150	Tena-Film 400TH	Hy Circ R&O 150
220	900-1100	Harmony 220 334217	RCM	4220	Tena-Film 500TH	Hy Circ R&O 220
460	1935-2365	Harmony 460 334223	RCO	4460	Tena-Film 2500TH	Hy Circ R&O 460
Antiwear hydraulic oil						
32	135-165	Harmony AW 32 334227	AWH	—	Tena-Film 150TH	Petraulic 32
46	194-236	Harmony AW 46 334229	AWI	—	Tena-Film 300LTH	Petraulic 46
68	284-346	Harmony AW 68 334231	AWJ	—	Tena-Film 300MTH	Petraulic 68
Spindle oil						
2	29-35	—	—	—	—	Petraspeed 3
10	54-66	—	NTE	—	Tena-Film 75TH	Petraspeed 10
22	95-115	Harmony HVI AW 26 334242	AWG	—	Tena-Film 100TH	Petraspeed 22
Way oil						
32	135-165	—	—	—	Tena-Film EP 150ST	Waylube 32
68	284-346	Gulfway 68 336491	WLJ	—	Tena-Film EP 300ST	Waylube 68
220	900-1100	Gulfway 220 336493	WLM	—	Tena-Film EP 700ST*	Waylube 220
Extreme pressure gear oil						
68	284-346	HD 2 EP 343816	SGJ	4068	Tena-Film EP 300	Gearol 68
150	630-770	HD 4 EP 343817	SGL	4150	Tena-Film EP 700	Gearol 150
320	135-1650	HD 6 EP 343821	SGN	4320	Tena-Film EP 1400	Gearol 320
Worm gear oil						
460	1935-2365	Senate 460	RCO	—	Cylinder 180	Gearol 7
Cling type gear shield (open gears)						
—	—	—	OGC	—	Moly 0-9477	—
General purpose extreme pressure lithium based grease						
—	NLGI 2	Super Duty EP 344012	GLC	—	Tena-Film Superplex EP 2	Multi Service EP 2
Molybdenum disulfide extreme pressure grease						
—	NLGI 2	Flex Moly EP 343013	GHD	—	Tena-Film Moly 0-23*	Moly Alumaplex EP 2

* Indicates variance from the specified viscosity of additive composition

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General purpose lubricants					
32	135-165	210	Turbinol T 32	R&O VG 32	—
46	194-236	220	Turbinol T 46	R&O VG 46	Molub-Alloy GP 10
68	284-346	230	Turbinol T 68	R&O VG 68	Molub-Alloy GP 20
150	630-770	240	Turbinol T 150	R&O VG 150	Molub-Alloy GP 35
220	900-1100	250	Turbinol T 220	R&O VG 220	Molub-Alloy GP 40
460	1935-2365	260	Turbinol T 460	R&O VG 460	—
Antiwear hydraulic oil					
32	135-165	332	Energol HLP-HM 32	Premium Hyd AW 32	Tribol 943 AW 32
46	194-236	356	Energol HLP-HM 46	Premium Hyd AW 46	Tribol 943 AW 46
68	284-346	372	Energol HLP-HM 68	Premium Hyd AW 68	Tribol 943 AW 68
Spindle oil					
2	29-35	402	—	—	—
10	54-66	406	—	—	Tribol 1040
22	95-115	410	Energol HLP-HM 22	R&O VG 22	—
Way oil					
32	135-165	532	—	VG 32 Way	—
68	284-346	568	Energol SW 68	VG 68 Way	Tribol 1066/68
220	900-1100	590	Energol SW 220	VG 220 Way	Tribol 1066/220
Extreme pressure gear oil					
68	284-346	5423	Energol GR-XP 68	2 EP IGO VG 68	Tribol 1100/68
150	630-770	5475	Energol GR-XP 150	4 EP IGO VG 150	Tribol 1100/150
320	135-1650	5477	Energol GR-XP 320	6 EP IGO VG 320	Tribol 1100/320
Worm gear oil					
460	1935-2365	5280	—	VG 460 Comp (AGMA 7)	Molub-Alloy 170 W
Cling type gear shield (open gears)					
—	—	5104, 5496	—	—	Molub-Alloy 936 SF
General purpose extreme pressure lithium based grease					
—	NLGI 2	LTM-2	Energrease LS-EP 2	Lith EP 2	Molub-Alloy 777-2 ES
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	MDG-2	Energrease Moly EP 2	—	Molub-Alloy 860-2 ES

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General purpose lubricants						
32	135-165	Precision AA 32	Multoil 5W-20	Advansys 5W-20	R&O 32	ISO 32
46	194-236	Precision AA 46	Multoil 5W-20	Advansys 5W-20	R&O 46	ISO 46
68	284-346	Precision AA 68	Certop Ind 68	Lubra-Tech 68	R&O 68	ISO 68
150	630-770	Precision AA 150	Multoil 10W-40	Advansys 10W-40	R&O 150	ISO 150
220	900-1100	Precision AA 220	Multoil 10W-40	Advansys 10W-40	R&O 220	ISO 220
460	1935-2365	Precision AA 320	Certop Ind 460	Lubra-Tech 460	R&O 460	ISO 460
Antiwear hydraulic oil						
32	135-165	Precision AW 32	HOC 32	Lubra-Guard 32	ISO 32	ISO 32
46	194-236	Precision AW 46	HOC 46	Lubra-Guard 46	ISO 46	ISO 46
68	284-346	Precision AW 68	HOC 68	Lubra-Guard 68	ISO 68	ISO 68
Spindle oil						
2	29-35	Precision ISO 2	—	—	ISO 2	—
10	54-66	Precision ISO 10	SOC 10	Spindle	ISO 10	ISO 10
22	95-115	Precision ISO 22	—	—	ISO 22	ISO 22
Way oil						
32	135-165	C-Way 32	—	—	NZ ISO 32	Vistac D 32
68	284-346	C-Way 68	Waylube 68	Waylube 68	NZ ISO 68	Vistac D 68
220	900-1100	C-Way 220	WOC 220	WOC 220	NZ ISO 220	Vistac D 220
Extreme pressure gear oil						
68	284-346	Complex EP 68	Certop Ind 68	Lubra-Tech 68	ISO 68	Gear Compound 68
150	630-770	Complex EP 150	Certop Ind 150	Lubra-Tech 150	ISO 150	Gear Compound 150
320	135-1650	Complex EP 320	Certop Ind 320	Lubra-Tech 320	ISO 320	Gear Compound 320
Worm gear oil						
460	1935-2365	Complex WG 460	Certop Ind 460	Lubra-Tech 460	ISO 460	Cylinder 460
Cling type gear shield (open gears)						
—	—	Crescent Open Gear	Hi Gear Plus	Top Gear Plus	OGL EP 11	Open Gear
General purpose extreme pressure lithium based grease						
—	NLGI 2	Crescent Lithicom Red EP 2	Lithaplex	Lubra-Plex	Chemlith EP 2 A	Ulti-Plex EP 2
Molybdenum disulfide extreme pressure grease						
—	NLGI 2	Crescent EP 2 with moly	Premalube	Maxi-Lube	Chemlith MY 2 B	Moly EP 2

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General purpose lubricants					
32	135-165	Pacemaker 32	Cochem 238-4	Galaxy R&O 32	R&O Hyd 32
46	194-236	Pacemaker 46	Cochem 238-5	Galaxy R&O 46	R&O Hyd 46
68	284-346	Pacemaker 68	Cochem 238-7	Galaxy R&O 68	R&O Hyd 68
150	630-770	Pacemaker 150	Cochem 238-9	Galaxy R&O 150	R&O Hyd 150
220	900-1100	Pacemaker 220	Cochem 238-10	Galaxy R&O 220	—
460	1935-2365	Pacemaker 460	Cochem 238-11	Galaxy R&O 460	—
Antiwear hydraulic oil					
32	135-165	AW Hyd 32	Cochem 237-4	Saturn AW 32	AW Hyd 32
46	194-236	AW Hyd 46	Cochem 237-5	Saturn AW 46	AW Hyd 46
68	284-346	AW Hyd 68	Cochem 237-7	Saturn AW 68	AW Hyd 68
Spindle oil					
2	29-35	—	Cochem 237-0	Spindle 2	—
10	54-66	—	Cochem 237-1	Spindle 10	60 Spindle 10
22	95-115	Pacemaker 19	Cochem-237-2	Spindle 22	100 Spindle 22
Way oil					
32	135-165	Sliderite 32	Cochem 233-1	Waylube 32	Way 32
68	284-346	Sliderite 68	Cochem 233-3	Waylube 68	Way 68
220	900-1100	Sliderite 220	Cochem 233-10	Waylube 220	Way 220
Extreme pressure gear oil					
68	284-346	Citgear EP 68	Cochem 264-2	Gearlube EP 68	Gear EP 68
150	630-770	Citgear EP 150	Cochem 264-4	Gearlube EP 150	Gear EPS 150
320	135-1650	Citgear EP 320	Cochem 264-6	Gearlube EP 320	Gear EPS 320
Worm gear oil					
460	1935-2365	Cylinder 400-S	Cochem 1439	Cylinder 460	—
Cling type gear shield (open gears)					
—	—	Citgear OGL-A	Cochem 1412	—	—
General purpose extreme pressure lithium based grease					
—	NLGI 2	Premium Lith EP 2	Cochem 387-2	Lith EP 2	—
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Lithoplex MP 2	Cochem 387-4	Molyolith EP 2	—

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General purpose lubricants				
32	135-165	Hydromatic Multipurpose R&O 32	CP 9001-32	—
46	194-236	Hydromatic Multipurpose R&O 46	CP 9001-46	—
68	284-346	Hydromatic Multipurpose R&O 68	CP 9001-68	—
150	630-770	Hydromatic Multipurpose R&O 150	CP 9001-150	—
220	900-1100	Hydromatic Multipurpose R&O 220	CP 9001-220	GL-5* Plus 85W-140
460	1935-2365	Hydromatic Multipurpose R&O 460	—	GL-5* Plus 80W-90
Antiwear hydraulic oil				
32	135-165	Hydromatic AW Hyd 32	CP 9000-32	—
46	194-236	Hydromatic AW Hyd 46	CP 9000-46	—
68	284-346	Hydromatic AW Hyd 68	CP 9000-68	—
Spindle oil				
2	29-35	Hydromatic Spindle 2	—	—
10	54-66	Hydromatic Spindle 10	—	—
22	95-115	Hydromatic Spindle 15	—	—
Way oil				
32	135-165	—	—	—
68	284-346	Hydromatic Multi-Way Machine 68	—	—
220	900-1100	Hydromatic Multi-Way Machine 220	—	—
Extreme pressure gear oil				
68	284-346	Hydromatic EP Gear 68	CP 9020-68	—
150	630-770	Hydromatic EP Gear 150	CP 9020-150	—
320	135-1650	Hydromatic EP Gear 320	CP 9020-320	—
Worm gear oil				
460	1935-2365	Inca 460	—	—
Cling type gear shield (open gears)				
—	—	Centak 11	—	Polyurea Open Gear
General purpose extreme pressure lithium based grease				
—	NLGI 2	Super-STA 2	—	Super White MP
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Super Lube M EP	—	Moly Graph EP MP

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General purpose lubricants					
32	135-165	R&O 32	MPO 10	L0532 (Food Grade)	—
46	194-236	R&O 46	HOP 46	L1246, L0246, L1240 (FG)	—
68	284-346	R&O 68	MPO 20	L0568	—
150	630-770	R&O 150	—	L0115, L1115, L1115 (FG)	Ultra Gear ML 150
220	900-1100	R&O 220	—	L0122, L0122 (FG), L1122 (FG)	Ultra Gear ML 220
460	1935-2365	R&O 460	—	L0146, L0146 (FG), L1146, L1146 (FG)	Ultra Gear ML 460
Antiwear hydraulic oil					
32	135-165	Premium AW Hyd 32	Polygard 32	L1346	—
46	194-236	Premium AW Hyd 46	Polygard 46	L0346 (FG), L1346 (FG)	—
68	284-346	Premium AW Hyd 68	Polygard 68	L1368, L0568, L0368 (FG)	—
Spindle oil					
2	29-35	Spindle 2	—	—	—
10	54-66	Spindle 10	—	—	—
22	95-115	Spindle 22	—	L0532	—
Way oil					
32	135-165	Way EP 32	—	—	—
68	284-346	Way EP 68	—	—	—
220	900-1100	Way EP 220	—	—	LB 3163
Extreme pressure gear oil					
68	284-346	AGMA EP 2	Unit 68	L0568	—
150	630-770	AGMA EP 4	Polygard EP 150	L0115 (FG), L1115 (FG)	SL 150
320	135-1650	AGMA EP 6	—	L0132, L1132	SL 320
Worm gear oil					
460	1935-2365	AGMA 7 Compound	Unit 460	L0146, L0146 (FG)	—
Cling type gear shield (open gears)					
—	—	—	—	—	LB 355, LB 360, LB 373, LB 380
General purpose extreme pressure lithium based grease					
—	NLGI 2	Polyolith EP 2	CLG 2	BR-2, G-4700	GR 424
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Molyolitho 2	—	G-4700	GR 424

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General purpose lubricants				
32	135-165	R&O 32	Polytelis 32	EnviroPride Biodegradable Hyd 32/46
46	194-236	R&O 46	Polytelis 46	EnviroPride Biodegradable Hyd 32/46
68	284-346	R&O 68	Polytelis 68	EnviroPride Biodegradable Hyd 68
150	630-770	R&O 150	Polytelis 150	EnviroPride Biodegradable Hyd 150
220	900-1100	R&O 220	Polytelis 220	EnviroPride Biodegradable Hyd 220
460	1935-2365	R&O 460	Polytelis 460	EnviroPride Biodegradable Hyd 460
Antiwear hydraulic oil				
32	135-165	Premium Hyd 32	Elfolna DS 32	EnviroPride Biodegradable Hyd 32/46
46	194-236	Premium Hyd 46	Elfolna DS 46	EnviroPride Biodegradable Hyd 32/46
68	284-346	Premium Hyd 68	Elfolna DS 68	EnviroPride Biodegradable Hyd 68
Spindle oil				
2	29-35	—	—	EnviroPride Biodegradable Spindle 2
10	54-66	Spindle 10	Spinelf 10	EnviroPride Biodegradable Spindle 10
22	95-115	Spindle 22	Spinelf 22	EnviroPride Biodegradable Spindle 22
Way oil				
32	135-165	Eastway 32	Moglia 32	EnviroPride Biodegradable Way 32
68	284-346	Eastway 68	Moglia 68	EnviroPride Biodegradable Way 68
220	900-1100	Eastway 220	Moglia 220	EnviroPride Biodegradable Way 220
Extreme pressure gear oil				
68	284-346	Eastgear 68	Reductelf SP 68	EnviroPride Biodegradable EP Gear 68
150	630-770	Eastgear 150	Reductelf SP 150	EnviroPride Biodegradable EP Gear 150
320	135-1650	Eastgear 320	Reductelf SP 320	EnviroPride Biodegradable EP Gear 320
Worm gear oil				
460	1935-2365	Cylinder Oil	Reductelf SP 460	EnviroPride Biodegradable Worm 460
Cling type gear shield (open gears)				
—	—	—	Moly 29 Open Gear Compound	EnviroPride Biodegradable Open Gear
General purpose extreme pressure lithium based grease				
—	NLGI 2	Eastlube EP 2	Keystone 81 EP 2	EnviroPride Biodegradable EP Lith 2
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Eastlube Moly EP 2	—	EnviroPride Biodegradable EP Moly 2

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General purpose lubricants					
32	135-165	Renolin R&O 32	Royal R&O 32	General Machine 32	—
46	194-236	Renolin R&O 46	Royal R&O 46	General Machine 46	—
68	284-346	Renolin R&O 68	Royal R&O 68	General Machine 68	—
150	630-770	Renolin R&O 150	Royal R&O 150	General Machine 150	—
220	900-1100	Renolin R&O 220	Royal R&O 220	General Machine 220	—
460	1935-2365	Renolin R&O 460	Royal R&O 460	General Machine 460	—
Antiwear hydraulic oil					
32	135-165	Renolin AW 32	Royal Hyd 32	Premium AW Hyd 32	Hydro-Drive HP 150
46	194-236	Renolin AW 46	Royal Hyd 46	Premium AW Hyd 46	Hydro-Drive HP 200
68	284-346	Renolin AW 68	Royal Hyd 68	Premium AW Hyd 68	Hydro-Drive HP 300
Spindle oil					
2	29-35	—	Royal Spindle 2	Uni-Lube 2	—
10	54-66	Renolin SP 10	Royal Spindle 10	Uni-Lube10	—
22	95-115	Renolin SP 22	Royal Spindle 22	Uni-Lube 22	—
Way oil					
32	135-165	Renolin WL 32	Waylube 32	Premium Way 32	—
68	284-346	Renolin WL 68	Waylube 68	Premium Way 68	—
220	900-1100	Renolin WL 220	Waylube 220	Premium Way 220	—
Extreme pressure gear oil					
68	284-346	Renolin EP 68	Ind Gear 68	Ind Gear EP 68	—
150	630-770	Renolin EP 150	Ind Gear 150	Ind Gear EP 150	—
320	135-1650	Renolin EP 320	Ind Gear 320	Ind Gear EP 320	—
Worm gear oil					
460	1935-2365	Renolin CS 460	Steam Cylinder 460	Worm Gear 460	—
Cling type gear shield (open gears)					
—	—	Centak 11 H	Open Gear	Premium Open Gear 35	—
General purpose extreme pressure lithium based grease					
—	NLGI 2	Uniwl 2	LS EP 2	Multipurpose EP Lith 2	Cosmolube EP 2
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Moreplex 2	Moly EP 2	Multipurpose EP Moly 2	—

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General purpose lubricants				
32	135-165	HLO 10	ISO 32	HPP Hi-Tek 32 Machine
46	194-236	HLO 5W-20	ISO 46	HPP Hi-Tek 46 Machine
68	284-346	HLO 20	ISO 68	HPP Hi-Tek 68 Machine
150	630-770	HLO 40	ISO 150	HPP Hi-Tek 150 Machine
220	900-1100	HLO 50	ISO 220	HPP Hi-Tek 220 Machine
460	1935-2365	HLO 70	ISO 460	HPP Hi-Tek 460 Machine
Antiwear hydraulic oil				
32	135-165	HLO 10	ISO 32	HPP Hi-Tek 32 AW Hyd
46	194-236	HLO 5W-20	ISO 46	HPP Hi-Tek 46 AW Hyd
68	284-346	HLO 20	ISO 68	HPP Hi-Tek 68 AW Hyd
Spindle oil				
2	29-35	—	ISO 2	Spindle 22
10	54-66	Spindle 10	ISO 10	Spindle 60
22	95-115	Spindle 22	ISO 22	Spindle 100
Way oil				
32	135-165	—	ISO 32	Premium Waylube 32
68	284-346	—	ISO 68	Premium Waylube 68
220	900-1100	—	ISO 220	Premium Waylube 220
Extreme pressure gear oil				
68	284-346	Gear 80	ISO 68	HPP Hi-Tek 68 EP Gear
150	630-770	Gear 85	ISO 150	HPP Hi-Tek 150 EP Gear
320	135-1650	Gear 90	ISO 320	HPP Hi-Tek 320 EP Gear
Worm gear oil				
460	1935-2365	Gear 140	ISO 460	Super Worm Gear 460
Cling type gear shield (open gears)				
—	—	Open Gear	—	—
General purpose extreme pressure lithium based grease				
—	NLGI 2	Coolplex	HD Lith	Superfilm Hi-Tek 800
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Molyplex	HD 3% Moly	Superfilm HMA #2

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General purpose lubricants				
32	135-165	Hydra-Plate 32	Jo-Lube 1521	Sigma S-320, M-320, FG-320
46	194-236	Hydra-Plate 46	Jo-Lube 1523	Sigma S-460, M-460, FG-460
68	284-346	Hydra-Plate 68	Jo-Lube 1522	Sigma S-680, M-680, FG-680
150	630-770	Hydra-Plate 150	Jo-Lube 1527	Sigma S-150, M-150, FG-150
220	900-1100	Hydra-Plate 220	Jo-Lube 1525	—
460	1935-2365	Hydra-Plate 460	Jo-Lube 1528	—
Antiwear hydraulic oil				
32	135-165	Premium Hyd 32	Jo-Lube 1511	—
46	194-236	Premium Hyd 46	Jo-Lube 1512	—
68	284-346	Premium Hyd 68	Jo-Lube 1513	—
Spindle oil				
2	29-35	—	—	—
10	54-66	Hydra-Plate 10	Jo-Lube 1509	—
22	95-115	Hydra-Plate 22	Jo-Lube 1510	—
Way oil				
32	135-165	Way-Tac 32	Jo-Lube 1501	—
68	284-346	Way-Tac 68	Jo-Lube 1502	—
220	900-1100	Way-Tac 220	Jo-Lube 1504	—
Extreme pressure gear oil				
68	284-346	H-P Ind Gear 68	Jo-Lube 1590-20	—
150	630-770	H-P Ind Gear 150	Jo-Lube 1590-30	Omega SB-150, FGB-150
320	135-1650	H-P Ind Gear 320	Jo-Lube 1590-140	Omega SB-320, FGB-320
Worm gear oil				
460	1935-2365	H-P Ind Gear 460	Jo-Lube 1595	—
Cling type gear shield (open gears)				
—	—	Gear-Guard	—	—
General purpose extreme pressure lithium based grease				
—	NLGI 2	Magna-Plate 500-2	Jo-Lube 1588 EP 2	—
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Magna-Plate 300	Jo-Lube 1587 Moly EP 2	—

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ISO Viscosity grade	Viscosity, SUS at 100 F	Kent Oil Co., Inc. Lakeland, FL	Keystone Lubricants, Div. of Elf Lubricants North America Linden, NJ keystonelubricants.com	Leahy-Wolf Co. Franklin Park, IL leahywolf.com
General purpose lubricants				
32	135-165	Moly-NRG Special Duty 10	KLC 10	Goldseal Hydrol 32
46	194-236	Moly-NRG Special Duty 15	KLC 15	Goldseal Hydrol 46
68	284-346	Moly-NRG Special Duty 20	KLC 20	Goldseal Hydrol 68
150	630-770	Moly-NRG Special Duty 40	KLC 40	Goldseal Hydrol 150
220	900-1100	Moly-NRG Special Duty 50	KLC 50	Goldseal Hydrol 220
460	1935-2365	Moly-NRG Special Duty 70	—	Goldseal Hydrol 460
Antiwear hydraulic oil				
32	135-165	Moly-NRG Hydro-Servoil 303	KLC 10	Hydrolmaster 32
46	194-236	Moly-NRG Hydro-Servoil 304	KLC 15	Hydrolmaster 46
68	284-346	Moly-NRG Hydro-Servoil 305	KLC 20	Hydrolmaster 68
Spindle oil				
2	29-35	Moly-NRG Spindle Extra Light	—	Lubemaster MA 2
10	54-66	Moly-NRG Spindle Light	—	Lubemaster MA 10
22	95-115	Moly-NRG Spindle Medium	Keyspin 5	Lubemaster MA 22
Way oil				
32	135-165	Moly-NRG Way 10	—	Tacmaster 32
68	284-346	Moly-NRG Way 20	Keyway 20	Tacmaster 68
220	900-1100	Moly-NRG Way 50	Keyway 50	Tacmaster 220
Extreme pressure gear oil				
68	284-346	Moly-NRG Super Gear 89	—	Ind EP 2
150	630-770	Moly-NRG Super Gear 90	Keygear 90	Ind EP 4
320	135-1650	Moly-NRG Super Gear 123	—	Ind EP 6
Worm gear oil				
460	1935-2365	Moly-NRG Worm	K-600	Lubemaster 103-2
Cling type gear shield (open gears)				
—	—	Moly-NRG Gear Spray-Reg	Moly 29 Open Gear Compound	Open Gear II
General purpose extreme pressure lithium based grease				
—	NLGI 2	Moly-NRG 7 Plus Poly Moly 2	81 EP 2	Clingmaster EP 2
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Moly-NRG 7 Plus Poly Moly 2	—	Lith Moly Master EP 2

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ISO Viscosity grade	Viscosity, SUS at 100 F	Lockrey Co., Inc. Merchantville, NJ	Logix Dallas, TX logix-mrop.com	LPS Laboratories Tucker, GA lpslabs.com	LubePlanet.com Evanston, IL lubeplanet.com
General purpose lubricants					
32	135-165	—	GPL ISO 22-68 ER	—	ISO 32
46	194-236	—	GPL ISO 22-68 ER	—	ISO 46
68	284-346	—	GPL ISO 22-68 ER	—	ISO 68
150	630-770	—	GPL ISO 32-150 ER	—	ISO 150
220	900-1100	—	—	Thermaplex Hi-Torque 220	ISO 220
460	1935-2365	—	—	Thermaplex Hi-Torque 460	ISO 460
Antiwear hydraulic oil					
32	135-165	—	—	—	ISO 32
46	194-236	—	Hyd ISO 46 ER	—	ISO 46
68	284-346	—	—	—	ISO 68
Spindle oil					
2	29-35	—	—	—	ISO 2
10	54-66	—	—	—	ISO 10
22	95-115	—	—	—	ISO 22
Way oil					
32	135-165	—	—	—	Non-Zinc Way ISO 32
68	284-346	—	Easy-Glide 68	—	Non-Zinc Way ISO 68
220	900-1100	—	Easy-Glide 220	—	Non-Zinc Way ISO 220
Extreme pressure gear oil					
68	284-346	—	ISO 68-220 ER	—	ISO 68
150	630-770	—	ISO 68-220 ER	—	ISO 150
320	135-1650	—	ISO 100-440 ER	Thermaplex Hi-Torque 320	ISO 320
Worm gear oil					
460	1935-2365	—	—	—	ISO 460
Cling type gear shield (open gears)					
—	—	—	Aerosol Open Gear	—	—
General purpose extreme pressure lithium based grease					
—	NLGI 2	—	—	Thermaplex Multipurpose	General Purpose Lith
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Liqui-Moly NV	Multipurpose Aluminum Complex	Thermaplex Hi-Load	Molybdenum Disulfide EP

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ISO Viscosity grade	Viscosity, SUS at 100 F	LuBest Div. of Momar, Inc. Atlanta, GA momar.com	Lubricating Specialties Co. Pico Rivera, CA	Lubrication Engineers, Inc. Fort Worth, TX le-inc.com
General purpose lubricants				
32	135-165	Turbine 32	Guardian ICH	Monolec 6401 R&O, Multilec 6801
46	194-236	Turbine 46	Guardian ICH	Monolec 6402 R&O, Multilec 6802
68	284-346	Turbine 68	Guardian ICH	Monolec 6403 R&O, Multilec 6803
150	630-770	Turbine 150	Guardian ICH	Monolec 6405 R&O, Multilec 6805
220	900-1100	Turbine 220	Guardian ICH	Monolec 6406 R&O, Multilec 6806
460	1935-2365	Turbine 460	—	—
Antiwear hydraulic oil				
32	135-165	AW Hyd 32	Guardian AW	Monolec 6520
46	194-236	AW Hyd 46	Guardian AW	Monolec 6110
68	284-346	AW Hyd 68	Guardian AW	Monolec 6120
Spindle oil				
2	29-35	—	—	—
10	54-66	Spindle 15	Guardian CP	—
22	95-115	Spindle 22	Guardian CP	—
Way oil				
32	135-165	Slide Way 32	Guardian Way	Monolec 6301 Rock Drill
68	284-346	Slide Way 68	Guardian Way	—
220	900-1100	Slide Way 220	Guardian Way	Monolec 6315
Extreme pressure gear oil				
68	284-346	Ind Gear EP 2	Guardian PRM EP NL	Monolec 300
150	630-770	Ind Gear EP 4	Guardian PRM EP NL	Almasol 604 Vari-Purpose Gear
320	135-1650	Ind Gear EP 6	Guardian PRM EP NL	Almasol 605 Vari-Purpose Gear
Worm gear oil				
460	1935-2365	Worm Gear 460	—	—
Cling type gear shield (open gears)				
—	—	Titan 444	—	Pyroshield 5180/9000
General purpose extreme pressure lithium based grease				
—	NLGI 2	Titan 555	Guardian EP Lith	Almagard 3752, Monolec 4622 Multiplex
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Titan 777	Guardian Moly EP Lith	—

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ISO Viscosity grade	Viscosity, SUS at 100 F	Lubrication Technology, Inc. Jackson, OH lubricationtechnology.com	Lubriplate Lubricants Newark, NJ lubriplate.com	LubriSource, Inc. Florence, SC	Lyondell Lubricants Tulsa, OK lyondelllubricants.com
General purpose lubricants					
32	135-165	Christo-Lube GPL 32	HO 0	R&O Hyd 32	Duro 32
46	194-236	Christo-Lube GPL 46	HO 1	R&O Hyd 46	Duro 46
68	284-346	Christo-Lube GPL 68	HO 2	R&O Hyd 68	Duro 68
150	630-770	Christo-Lube GPL 150	HO 3	R&O Hyd 150	Duro 150
220	900-1100	Christo-Lube GPL 220	SPO 255	R&O Hyd 220	Duro 220
460	1935-2365	Christo-Lube GPL 460	SPO 277	R&O Hyd 460	Rubilene 460
Antiwear hydraulic oil					
32	135-165	Christo-Lube AW 32	HO 0	Anti-Wear Hyd 32	Duro AW 32
46	194-236	Christo-Lube AW 46	HO 1	Anti-Wear Hyd 46	Duro AW 46
68	284-346	Christo-Lube AW 68	HO 2	Anti-Wear Hyd 68	Duro AW 68
Spindle oil					
2	29-35	—	—	—	—
10	54-66	—	No. 0	—	Diamond 7
22	95-115	—	No. 1	Spindle & Loom 32	Diamond 20
Way oil					
32	135-165	—	10 R	Skim & Save Way 32	Truslide 32
68	284-346	—	SPO 222	Skim & Save Way 68	Truslide 68
220	900-1100	—	SPO 255	Skim & Save Way 220	Truslide 220
Extreme pressure gear oil					
68	284-346	Christo-Lube EP 68	APG 80	Premium EP Gear 68	Pennant NL 68
150	630-770	Christo-Lube EP 150	APG 80W-90	Premium EP Gear SAE 80/90	Pennant NL 150
320	135-1650	Christo-Lube EP 320	APG 80W-140	Premium EP Gear SAE 85/140	Pennant NL 320
Worm gear oil					
460	1935-2365	—	SPO 277	Premium Worm Gear 460	Modoc 175
Cling type gear shield (open gears)					
—	—	—	Gear Shield Extra Heavy	Open Gear	Jet Lube TM
General purpose extreme pressure lithium based grease					
—	NLGI 2	Christo-Lube MCG 603	No. 1200-2	—	Litholene HEP 2
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Christo-Lube MCG 604	No. 3000	Nonmelt EP Moly	EP Moly D 2

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ISO Viscosity grade	Viscosity, SUS at 100 F	Macro Specialty Industries, Inc. Napoleon, OH macrospecialtyindustries.com	Mantek Dallas, TX mantek.com	McCollister & Co. Council Bluffs, IA mccollister.com
General purpose lubricants				
32	135-165	—	Advansys 5W-20	R&O 3053
46	194-236	—	Advansys 5W-20	R&O 3054
68	284-346	—	Lubra-Tech 68	R&O 3055
150	630-770	—	Advansys 10W-40	Ind Hyd 3047
220	900-1100	—	Advansys 10W-40	Ind Hyd 3048
460	1935-2365	—	Lubra-Tech 460	—
Antiwear hydraulic oil				
32	135-165	—	Lubra-Guard 32	Ind Hyd 3043
46	194-236	—	Lubra-Guard 46	Ind Hyd 3044
68	284-346	—	Lubra-Guard 68	Ind Hyd 3045
Spindle oil				
2	29-35	—	—	—
10	54-66	—	Spindle	Spindle 4360
22	95-115	—	—	Spindle 4361
Way oil				
32	135-165	—	—	Ind Way 4353
68	284-346	—	Waylube 68	Ind Way 4355
220	900-1100	—	WOC 220	Ind Way 4358
Extreme pressure gear oil				
68	284-346	—	Lubra-Tech 68	Ind Gear 4376
150	630-770	—	Lubra-Tech 150	Ind Gear 4370
320	135-1650	—	Lubra-Tech 320	Ind Gear 4373
Worm gear oil				
460	1935-2365	—	Lubra-Tech 460	Green Min 3231
Cling type gear shield (open gears)				
—	—	—	Top Gear Plus	—
General purpose extreme pressure lithium based grease				
—	NLGI 2	LRG-500	Lubra-Plex	Lith 2339
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	LSM	Elite	Moly 2880

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ISO Viscosity grade	Viscosity, SUS at 100 F	Mid-Town Petroleum, Inc. Bridgeview, IL midtownoil.com	Moroil Technologies Davidson, NC moroil.com	Mystik Lubricants Tulsa, OK	Niagara Lubricant Co., Inc. Buffalo, NY niagaralubricant.com
General purpose lubricants					
32	135-165	Super R&O 32	Indlube 5-32	Turbax 32	Nia-Vis R&O 32
46	194-236	Super R&O 46	Indlube 5-46	Turbax 46	Nia-Vis R&O 46
68	284-346	Super R&O 68	Indlube 5-68	Turbax 68	Nia-Vis R&O 68
150	630-770	Super R&O 150	Indlube 5-150	Turbax 150	Nia-Vis R&O 150
220	900-1100	Super R&O 220	Indlube 5-220	Turbax 220	Nia-Vis R&O 220
460	1935-2365	Super R&O 460	Indlube 5-460	—	Nia-Vis R&O 460
Antiwear hydraulic oil					
32	135-165	Super AW Hyd 32	AW/AL 32	AW/AL 32	Nia-Vis AW 32
46	194-236	Super AW Hyd 46	AW/AL 46	AW/AL 46	Nia-Vis AW 46
68	284-346	Super AW Hyd 68	AW/AL 68	AW/AL 68	Nia-Vis AW 68
Spindle oil					
2	29-35	Super Spindle 2	Spindle 2	—	Spindol 2
10	54-66	Super Spindle 10	Spindle 10	—	Spindol 10
22	95-115	Super Spindle 22	Spindle 22	—	Spindol 22
Way oil					
32	135-165	Super Waylube 32	Waylube 32	—	Way 32
68	284-346	Super Waylube 68	Waylube 68	Power Way 68	Way 68
220	900-1100	Super Waylube 220	Waylube 220	Power Way 220	Way 220
Extreme pressure gear oil					
68	284-346	Super NL Gear Comp 68	Indlube 10-68	—	Aragain EP 68
150	630-770	Super NL Gear Comp 150	Indlube 10-150	Power Ind EP Gear 150	Aragain EP 150
320	135-1650	Super NL Gear Comp 320	Indlube 10-320	—	Aragain EP 320
Worm gear oil					
460	1935-2365	Super Cylinder 460	Indlube 460 WG	—	PMO 140
Cling type gear shield (open gears)					
—	—	Super Open Gear	S00201	—	Spec X 9277
General purpose extreme pressure lithium based grease					
—	NLGI 2	Super Premium Lith Complex	LMP 2	JT-S High-Temp Multipurpose	Lith EP 2
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Super Premium EP Moly D	MOG 2	Tetrimoly Extreme Duty	Poly Moly EP 2

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ISO Viscosity grade	Viscosity, SUS at 100 F	Nocco Oil Products, Inc. Waukesha, WI nocco.com	NOCO Energy Corp., Inc. Tonawanda, NY noco.com	Norton Petroleum Corp. Newark, DE	Oils Unlimited, Inc. Tulsa, OK
General purpose lubricants					
32	135-165	Dyne 43	Turbine T 32	Premium R&O 32	Superfilm R&O 32
46	194-236	Dyne 48	Turbine T 46	Premium R&O 46	Superfilm R&O 46
68	284-346	Dyne 53	Turbine T 68	Premium R&O 68	Superfilm R&O 68
150	630-770	Dyne 76	Turbine T 150	Premium R&O 150	Superfilm R&O 150
220	900-1100	Dyne 93	Turbine T 220	Premium R&O 220	Superfilm R&O 220
460	1935-2365	Dyne 160	Turbine T 460	Premium R&O 460	Superfilm R&O 460
Antiwear hydraulic oil					
32	135-165	Ind 43	AW 32	Premium AW 32	Superfilm AW Hyd 32
46	194-236	Ind 48	AW 46	Premium AW 46	Superfilm AW Hyd 46
68	284-346	Ind 53	AW 68	Premium AW 68	Superfilm AW Hyd 68
Spindle oil					
2	29-35	Noccospin 1	Spinlube 2	Enduro 2	Spindle 2
10	54-66	Noccospin 3	Spinlube 10	Enduro 10	Spindle 10
22	95-115	Noccospin 5	Spinlube 22	Enduro 22	Spindle 22
Way oil					
32	135-165	Noccoglide 43	Waylube 32	Norway 32	Superfilm Waylube 32
68	284-346	Noccoglide 53	Waylube 68	Norway 68	Superfilm Waylube 68
220	900-1100	Noccoglide 91	Waylube 220	Norway 220	Superfilm Waylube 220
Extreme pressure gear oil					
68	284-346	Gear EP 50	Norgear EP 68	Premium Gear 68	Super EP 68
150	630-770	Gear EP 75	Norgear EP 150	Premium Gear 150	Super EP 150
320	135-1650	Gear EP 110	Norgear EP 320	Premium Gear 320	Super EP 320
Worm gear oil					
460	1935-2365	Noccocyl 140.5	Cylinder 460	Champion 600 W	Super Worm Gear 460
Cling type gear shield (open gears)					
—	—	—	—	Gear Shield	Open Gear Superfilm
General purpose extreme pressure lithium based grease					
—	NLGI 2	Noccolith EP 2	Lith EP 2	Norlith 2	Superfilm Hi-Temp 2
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Molyolith 2	Molyolith EP 2	—	Superfilm HMA 2

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ISO Viscosity grade	Viscosity, SUS at 100 F	The Orelube Corp. Plainview, NY orelube.com	Pacer Lubricants Div. of Southcoast Terminals Houston, TX	Pennzoil Products Co. Houston, TX pennzoil.com
General purpose lubricants				
32	135-165	AW 32	Thermal T 32	Pennzbell R&O 32
46	194-236	AW 46	Thermal T 46	Pennzbell R&O 46
68	284-346	AW 68	Thermal T 68	Pennzbell R&O 68
150	630-770	AW 150	Thermal T 150	Pennzbell R&O 150
220	900-1100	AW 220	Thermal T 220	Pennzbell R&O 220
460	1935-2365	AW 460	Power N 460	Pennzbell R&O 460
Antiwear hydraulic oil				
32	135-165	HA 1	Turino V 32	Pennzbell AW 32
46	194-236	HA 2	Turino V 46	Pennzbell AW 46
68	284-346	HA 3	Turino V 68	Pennzbell AW 68
Spindle oil				
2	29-35	Spindle Extra Light	—	Pennzspin 10
10	54-66	Spindle Light	Spindle 70	Pennzspin 15
22	95-115	Spindle Medium	Spindle 100	Pennzbell R&O 22
Way oil				
32	135-165	Way Light	Tru-Slide 150	Tableways 32
68	284-346	Way 68	Tru-Slide 300	Tableways 68
220	900-1100	Way 220	Tru-Slide 1000	Tableways 220
Extreme pressure gear oil				
68	284-346	GL 68	Goltex AGMA EP 2	Super Maxol EP 68
150	630-770	GL 150	Goltex AGMA EP 4	Super Maxol EP 150
320	135-1650	GL 320	Goltex AGMA EP 6	Super Maxol EP 320
Worm gear oil				
460	1935-2365	G 90/140	Golden G AGMA EP 7	Cylinder Oil #8 NR
Cling type gear shield (open gears)				
—	—	G 1650	—	Pennztac Fluid
General purpose extreme pressure lithium based grease				
—	NLGI 2	LC 116	—	Premium Lith Complex 2, Pennlith EP 712
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Neptune 7	—	Multipurpose EP 302 w/moly, Premium Lith Complex 2 w/moly

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ISO Viscosity grade	Viscosity, SUS at 100 F	Perkins Products, Inc. Bedford Park, IL perkinsproducts.com	Petro-Canada, America Lubricants, Inc. Chicago, IL htlubricants.com	Petron Corp. New Berlin, WI petroncorp.com
General purpose lubricants				
32	135-165	Perlube R&O 32	Premium R&O 32	Petro Dyne R&O 32
46	194-236	Perlube R&O 46	Premium R&O 46	Petro Dyne R&O 46
68	284-346	Perlube R&O 68	Premium R&O 68	Petro Dyne R&O 68
150	630-770	Perlube R&O 150	Premium R&O 150	Petro Dyne R&O 150
220	900-1100	Perlube R&O 220	Premium R&O 220	Petro Dyne R&O 220
460	1935-2365	Perlube R&O 460	—	Petro Dyne R&O 460
Antiwear hydraulic oil				
32	135-165	Perlube AW 32	Premium AW 32	Petro Dyne AW 32
46	194-236	Perlube AW 46	Premium AW 46	Petro Dyne AW 46
68	284-346	Perlube AW 68	Premium AW 68	Petro Dyne AW 68
Spindle oil				
2	29-35	Perlube S 2	—	Petro Dyne 2
10	54-66	Perlube S 10	Premium R&O 10	Petro Dyne 6
22	95-115	Perlube S 22	Premium R&O 22	Petro Dyne 10
Way oil				
32	135-165	Perlube WL 32	—	Petro Glyde 32
68	284-346	Perlube WL 68	Accuflo DM 68	Petro Glyde 68
220	900-1100	Perlube WL 220	Accuflo DM 220	Petro Glyde 220
Extreme pressure gear oil				
68	284-346	Perlube EP 68	Ultima EP 68	Gear 3
150	630-770	Perlube EP 150	Ultima EP 150	Gear 4
320	135-1650	Perlube EP 320	Ultima EP 320	Gear 7
Worm gear oil				
460	1935-2365	Perlube 460 F	Senate 460	RG-7
Cling type gear shield (open gears)				
—	—	Perlube 6 X	Vulcan All Season	Gearshield NC
General purpose extreme pressure lithium based grease				
—	NLGI 2	Perlube AP 2	Multipurpose EP 2	Petroplate L2
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Perlube MC 2	Precision Moly EP 2	Petroplate EP 2 Moly

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ISO Viscosity grade	Viscosity, SUS at 100 F	Petronomics Mfg. Group, Inc. Hutchinson, KS	Phillips 66 Co. Bartlesville, OK phillips66.com	PhyMet, Inc. Springboro, OH micropolylubricants.com
General purpose lubricants				
32	135-165	52070, 55170	Magnus 32	—
46	194-236	52072, 55172	Magnus 46	—
68	284-346	52074, 55174	Magnus 68	—
150	630-770	52078, 55162	Magnus 150	MicroPoly MPI 0800, MicroPoly MPF 0779
220	900-1100	52080, 55164	Magnus 220	—
460	1935-2365	52084, 55168	All Mineral 460	MicroPoly MPF 2371
Antiwear hydraulic oil				
32	135-165	52100, 52142	Magnus A 32	—
46	194-236	52102, 52144	Magnus A 46	—
68	284-346	52104, 52146	Magnus A 68	—
Spindle oil				
2	29-35	42002	—	—
10	54-66	51450, 51506	—	—
22	95-115	51454, 51510	Magnus 22	—
Way oil				
32	135-165	55125	—	—
68	284-346	55126	Rockdrill 68	—
220	900-1100	55137	Way 220	—
Extreme pressure gear oil				
68	284-346	52074, 51074	All Purpose Philgear 68	—
150	630-770	52078, 51092	All Purpose Philgear 150	—
320	135-1650	52082, 51096	All Purpose Philgear 320	—
Worm gear oil				
460	1935-2365	52084, 51098	Hector 460	—
Cling type gear shield (open gears)				
—	—	53900, 53910	Philstik	—
General purpose extreme pressure lithium based grease				
—	NLGI 2	00880	High-Temp EP	—
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	00800	Philube MW	—

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ISO Viscosity grade	Viscosity, SUS at 100 F	Premium Oil Co. Rockford, IL	Primrose Oil Co. Dallas TX primrose.com	Rock Valley Oil & Chemical Co. Rockford, IL rockvalleyoil.com
General purpose lubricants				
32	135-165	Superior 32	Armor Plate with Moly-D 32	Trojan 32
46	194-236	Superior 46	Armor Plate with Moly-D 46	Trojan 46
68	284-346	Superior 68	Armor Plate with Moly-D 68	Trojan 68
150	630-770	Superior 150	Armor Plate with Moly-D 150	Trojan 150
220	900-1100	Superior 220	Armor Plate with Moly-D 220	Trojan 220
460	1935-2365	—	Armor Plate with Moly-D 460	Trojan 460
Antiwear hydraulic oil				
32	135-165	Superior AW 32	Odyssey AW 32	Trojan AW 32
46	194-236	Superior AW 46	Odyssey AW 46	Trojan AW 46
68	284-346	Superior AW 68	Odyssey AW 68	Trojan AW 68
Spindle oil				
2	29-35	—	—	Rockspin 2
10	54-66	Tru Spin 60	Plus Spindle 231	Rockspin 10
22	95-115	Superior 22	Plus Spindle 230	Rockspin 22
Way oil				
32	135-165	Waylube 32	Armor Plate with Moly-D 203M-1	Rockway S 32
68	284-346	Waylube 68	Armor Plate with Moly-D 203M-2	Rockway S 68
220	900-1100	Waylube 220	Armor Plate with Moly-D 203M-5	Rockway S 220
Extreme pressure gear oil				
68	284-346	Gearep 68	Armor Plate with Moly-D XHP 514M-2 EP	EP Gear S 68
150	630-770	Gearep 150	Armor Plate with Moly-D XHP 514M-4 EP	EP Gear S 150
320	135-1650	Gearep 320	Armor Plate with Moly-D XHP 514M-6 EP	EP Gear S 320
Worm gear oil				
460	1935-2365	Steam Cylinder 460	Armor Plate with Moly-D XHP 514M-8 EP	Cylinder 460
Cling type gear shield (open gears)				
—	—	—	Emerald Shield 556	Gear Shield 4000
General purpose extreme pressure lithium based grease				
—	NLGI 2	—	Blue Max 310	Lith EP 2
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	—	Armor Plate with Moly-D 327	Lith Moly EP 2

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ISO Viscosity grade	Viscosity, SUS at 100 F	Royal Purple, Inc. Humble, TX royalpurple.com	Schaeffer Mfg. St. Louis, MO schaefferoil.com	76 Lubricants Co. Santa Ana, CA 76lubricants.com
General purpose lubricants				
32	135-165	Synfilm GT 32	Micron Moly HTC 112 ISO 32	Turbine 32
46	194-236	Synfilm GT 46	Micron Moly HTC 112 ISO 46	Turbine 46
68	284-346	Synfilm GT 68	Micron Moly HTC 112 ISO 68	Turbine 68
150	630-770	Synfilm GT 150	Micron Moly HTC 112 ISO 150	Turbine 150
220	900-1100	Synfilm GT 220	Micron Moly HTC 112 ISO 220	Turbine 220
460	1935-2365	Synfilm GT 460	Moly EP Circ 312 ISO 460	Turbine 460
Antiwear hydraulic oil				
32	135-165	Syndraulic 32	Micron Moly HTC 112A ISO 32	Unax AW 32
46	194-236	Syndraulic 46	Micron Moly HTC 112A ISO 46	Unax AW 46
68	284-346	Syndraulic 68	Micron Moly HTC 112A ISO 68	Unax AW 68
Spindle oil				
2	29-35	Needle Oil 5	—	—
10	54-66	Needle Oil 10	—	—
22	95-115	Needle Oil 22	Micron Moly HTC 112 ISO 22	Turbine 22
Way oil				
32	135-165	Synway 32	Moly Slide & Way 160 ISO 32	Way HD 32
68	284-346	Synway 68	Moly Slide & Way 160 ISO 68	Way HD 68
220	900-1100	Synway 220	Moly Slide & Way 160 ISO 220	Way HD 220
Extreme pressure gear oil				
68	284-346	Synergy 68	Moly EP 203A ISO 68	Extra Duty Gear 2 EP
150	630-770	Synergy 150	Moly Supreme 293A ISO 150	Extra Duty Gear 4 EP
320	135-1650	Synergy 320	Moly Supreme 294A ISO 320	Extra Duty Gear 6 EP
Worm gear oil				
460	1935-2365	Synergy Worm 460	Steam Cylinder 174	Compounded Gear 7
Cling type gear shield (open gears)				
—	—	Thermasil T-100, Thermyl-Tuff	Silver Streak Special 200S, Black Beauty 322	Gearshield LT, Gearshield Hvy
General purpose extreme pressure lithium based grease				
—	NLGI 2	Ultra Performance 2	Moly Ultra 800 EP 221	Multiplex Red
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Ultra Performance 2	Moly Ultra 800 EP 221, Moly Ultra Supreme 238	Megaplex XD

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ISO Viscosity grade	Viscosity, SUS at 100 F	Shell Houston, TX shell-lubricants.com	Southwestern Petroleum Corp. Fort Worth, TX swepcousa.com	Specialty Products Co. Jersey City, NJ specialtyproductsco.com
General purpose lubricants				
32	135-165	Turbo T 32	Swepco 708 ISO 32	—
46	194-236	Turbo T 46	Swepco 708 ISO 46	—
68	284-346	Turbo T 68	Swepco 708 ISO 68	—
150	630-770	Morlina 150	Swepco 708 ISO 150	—
220	900-1100	Morlina 220	Swepco 708 ISO 220	—
460	1935-2365	Morlina 460	—	—
Antiwear hydraulic oil				
32	135-165	Tellus Plus 32	Swepco 704 ISO 32	Hydralube 8
46	194-236	Tellus Plus 46	Swepco 704 ISO 46	Hydralube 10
68	284-346	Tellus Plus 68	Swepco 704 ISO 68	Hydralube 20
Spindle oil				
2	29-35	—	—	Spindle 81
10	54-66	Spindle 10	—	Spindle 82
22	95-115	Spindle 22	—	Spindle 83
Way oil				
32	135-165	Tonna V 32	Swepco 708 ISO 32	Way 18
68	284-346	Tonna V 68	Swepco 708 ISO 68	Way 28
220	900-1100	Tonna V 220	Swepco 708 ISO 220	Way 58
Extreme pressure gear oil				
68	284-346	Omala 68	Swepco 201 Gear 80W-90	—
150	630-770	Omala 150	Swepco 201 Gear ISO 150	—
320	135-1650	Omala 320	Swepco 201 Gear ISO 320	—
Worm gear oil				
460	1935-2365	Valvata J 460	Swepco 201 Gear 460	—
Cling type gear shield (open gears)				
—	—	Molless GL 95	Swepco 604 Outside Gear	—
General purpose extreme pressure lithium based grease				
—	NLGI 2	Albida LC 2	Swepco 601 Moly EP 2	Reversol EP 2
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Retinax CMX 2	Swepco 101 Moly EP 2	Black Magic 2

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ISO Viscosity grade	Viscosity, SUS at 100 F	D.A. Stuart Co. Detroit, MI d-a-stuart.com	Sunbelt Lubricants, Inc. Tampa, FL	Superior Industrial Lubricants & Chemicals Vicksburg, MS
General purpose lubricants				
32	135-165	Machine 32	Briteray R&O 32	500-32
46	194-236	Machine 46	Briteray R&O 46	500-46
68	284-346	Machine 68	Briteray R&O 68	500-68
150	630-770	Machine 150	Briteray R&O 150	500-150
220	900-1100	Machine 220	Briteray R&O 220	500-220
460	1935-2365	Machine 460	Briteray R&O 460	—
Antiwear hydraulic oil				
32	135-165	Premium Hyd 32	Sunray AW 32	525-32
46	194-236	Premium Hyd 46	Sunray AW 46	525-46
68	284-346	Premium Hyd 68	Sunray AW 68	525-68
Spindle oil				
2	29-35	Spindle 2	Spinray 3	—
10	54-66	Spindle 10	Spinray 10	—
22	95-115	Spindle 22	Spinray 22	—
Way oil				
32	135-165	Way 32	Wayex D 32	—
68	284-346	Way 68	Wayex D 68	—
220	900-1100	Way 220	Wayex D 220	—
Extreme pressure gear oil				
68	284-346	Premium EP Gear 68	Raygear 80W-90	401-68
150	630-770	Premium EP Gear 150	Progear 150	401-150
320	135-1650	Premium EP Gear 320	Progear 320	401-320
Worm gear oil				
460	1935-2365	Premium EP Gear 460	Progear 460	450-460
Cling type gear shield (open gears)				
—	—	Open Gear Compound 1133	GearShield	455
General purpose extreme pressure lithium based grease				
—	NLGI 2	Lith EP 2	Liplex 2	—
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Molyplex EP 2	Liplex Moly 2	—

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ISO Viscosity grade	Viscosity, SUS at 100 F	Superior Lubricants Co., Inc. North Tonawanda, NY superiorlubricants.com	Synco Chemical Corp., Super Lube Div. Bohemia, NY super-lube.com	Texaco Houston, TX texacolubricants.com	Texas Refinery Corp. Fort Worth, TX texasrefinery.com
General purpose lubricants					
32	135-165	Hyd R&O 13-32	—	Regal R&O 32	Special Universal 32
46	194-236	Hyd R&O 13-46	—	Regal R&O 46	Special Universal 46
68	284-346	Hyd R&O 13-68	Super Lube Lightweight	Regal R&O 68	Special Universal 68
150	630-770	Hyd R&O 13-150	Super Lube Lightweight	Regal R&O 150	Special Universal 150
220	900-1100	Hyd R&O 13-220	—	Regal R&O 220	Special Universal 220
460	1935-2365	Hyd R&O 13-460	—	Regal R&O 460	—
Antiwear hydraulic oil					
32	135-165	Hyd R&O AW 14-32	—	Rando HD 32	Hyd 32
46	194-236	Hyd R&O AW 14-46	—	Rando HD 46	Hyd 46
68	284-346	Hyd R&O AW 14-68	—	Rando HD 68	Hyd 68
Spindle oil					
2	29-35	—	—	—	—
10	54-66	Super Spin 10	Super Lube Lightweight	Spindura 10	—
22	95-115	Super Spin 22	—	Spindura 22	Special Universal 22
Way oil					
32	135-165	Slide Away 8-32	Super Lube Lightweight	Hyd Way 32	Rock Drill 32
68	284-346	Slide Away 8-68	Super Lube Lightweight	Way 68	Rock Drill 68
220	900-1100	Slide Away 8-220	—	Way 220	Rock Drill 220
Extreme pressure gear oil					
68	284-346	HD Gear 9-68	Super Lube Clear	Meropa 68	Ind Gear 68
150	630-770	HD Gear 9-150	Super Lube Clear	Meropa 150	Ind Gear 150
320	135-1650	HD Gear 9-320	Super Lube Clear	Meropa 320	Ind Gear 320
Worm gear oil					
460	1935-2365	Steam Cylinder	—	Vanguard 460	Worm gear
Cling type gear shield (open gears)					
—	—	—	—	Crater 2X	Takilube
General purpose extreme pressure lithium based grease					
—	NLGI 2	Lith EP 2	Super Lube Multipurpose with Syncolon	Starplex 2	Lithplex
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Moly Lith EP 2	Super Lube EP	Starplex Moly MPGM 2	Moly 880 Crown & Chassis

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ISO Viscosity grade	Viscosity, SUS at 100 F	Tower Oil & Technology Co. Chicago, IL	Tribology/Tech-Lube Yaphank, NY tribology.com	Tri State Industrial Lubricants Skokie, IL	Ultrachem, Inc. New Castle, DE ultracheminc.com
General purpose lubricants					
32	135-165	Hydroil CC	T-32 SP	Hydro-Flo 15	Chemlube 624
46	194-236	Hydroil D	T-46 SP	Hydro-Flo 2	Chemlube 625
68	284-346	Hydroil EE	T-68 SP	Hydro-Flo 3	Chemlube 626
150	630-770	Hydroil F	T-150 SP	Hydro-Flo 65	Chemlube 629
220	900-1100	Hydroil G	T-220 SP	Hydro-Flo Lo 1000	Chemlube 630
460	1935-2365	Durol J	T-460-SP	Hydro-Flo Lo 2000	Chemlube 634
Antiwear hydraulic oil					
32	135-165	Hydroil AW 3	T-Hyd 32	Hydro-Flo AW 15	Chemlube 624
46	194-236	Hydroil AW 4	T-Hyd 46	Hydro-Flo AW 2	Chemlube 625
68	284-346	Hydroil AW 5	T-Hyd 68	Hydro-Flo AW 3	Chemlube 626
Spindle oil					
2	29-35	Quadroil AA	—	Spindle 30	—
10	54-66	Quadroil A	Synspin 10	Spindle 60	Chemlube 10/10E
22	95-115	Hydroil B	Synspin 22, Specspin 22	Spindle 1	Chemlube 22/22E
Way oil					
32	135-165	Way 32 SD	T-10/50-32	Sta-Lube 15	—
68	284-346	Way 68 SD	T-10/50-68	Sta-Lube 3	—
220	900-1100	Way 220 SD	T-10/50-220	Sta-Lube 9	—
Extreme pressure gear oil					
68	284-346	—	T-68	Gearmate EP 3	Omnigear EP 68, Chemlube 80W
150	630-770	Express Gear F	T-150	Gearmate EP 65	Omnigear EP 150, Chemlube 85W-90
320	135-1650	Express Gear GH 90	T-85/140	Gearmate EP 1600	Omnigear EP 320
Worm gear oil					
460	1935-2365	Express Gear J	T-460	Gearmate 2100	Chemlube 250
Cling type gear shield (open gears)					
—	—	Grezall SOG	T-OG-1	Sta-Lube EP 9	—
General purpose extreme pressure lithium based grease					
—	NLGI 2	Grezall RL 2	T-777	GL-85	—
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Grezall ME 1	Tri Moly 2	GL-88	—

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ISO Viscosity grade	Viscosity, SUS at 100 F	Unimark Oil Co. Kansas City, KS	Union Carbide, a subsidiary of the Dow Chemical Co. Midland, MI dow.com	U.S Industrial Lubricants Cincinnati, OH usil.cc
General purpose lubricants				
32	135-165	Hydragard R&O 32	Uconall 32	Power-Flo R&O 32
46	194-236	Hydragard R&O 46	Uconall 46	Power-Flo R&O 46
68	284-346	Hydragard R&O 68	Uconall 68	Power-Flo R&O 68
150	630-770	—	Uconall 150	Power-Flo R&O 150
220	900-1100	—	Uconall 220	Power-Flo R&O 220
460	1935-2365	—	Uconall 460	Power-Flo R&O 460
Antiwear hydraulic oil				
32	135-165	Hydragard AW 32	Uconall 32	Power-Flo AW 32
46	194-236	Hydragard AW 46	Uconall 46	Power-Flo AW 46
68	284-346	Hydragard AW 68	Uconall 68	Power-Flo AW 68
Spindle oil				
2	29-35	—	—	Spindle 2
10	54-66	—	—	Spindle 10
22	95-115	—	—	Spindle 22
Way oil				
32	135-165	—	—	Way 32
68	284-346	Gardway 68	—	Way 68
220	900-1100	—	—	Way 220
Extreme pressure gear oil				
68	284-346	—	—	Gear EP 68
150	630-770	Gardgear EP 150	Uconall 150	Gear EP 150
320	135-1650	—	Uconall 320	Gear EP 320
Worm gear oil				
460	1935-2365	—	—	WGO 340-2
Cling type gear shield (open gears)				
—	—	—	—	Open Gear Compound 800
General purpose extreme pressure lithium based grease				
—	NLGI 2	Gard EP	—	Everstay 100
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	—	—	Everstay Moly XD-2

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ISO Viscosity grade	Viscosity, SUS at 100 F	U.S. Oil Co., Inc., Combined Locks, WI usoil.com	The Valvoline Co. Lexington, KY	Viking Chemical Rockford, IL
General purpose lubricants				
32	135-165	R&O Turbine 32	R&O 32	Admiral 32
46	194-236	R&O Turbine 46	R&O 46	Admiral 46
68	284-346	R&O Turbine 68	R&O 68	Admiral 68
150	630-770	R&O Turbine 150	R&O 150	Admiral 150
220	900-1100	R&O Turbine 220	R&O 220	Admiral 220
460	1935-2365	R&O Turbine 460	R&O 460	Admiral 460
Antiwear hydraulic oil				
32	135-165	AW Hyd 150	AW 32	Admiral AW 32
46	194-236	AW Hyd 200	AW 46	Admiral AW 46
68	284-346	AW Hyd 300	AW 68	Admiral AW 68
Spindle oil				
2	29-35	—	—	Spinrite 40
10	54-66	Spindle 60	Spindle 10	Spinrite 60
22	95-115	Spindle 100	Spindle 22	Spinrite 100
Way oil				
32	135-165	Waylube 150	Waylube 32	Sliderite 150
68	284-346	Waylube 300	Waylube 68	Sliderite 310
220	900-1100	Waylube 1000	Waylube 220	Sliderite 1000
Extreme pressure gear oil				
68	284-346	AGMA Gear EP 2	AGMA Gear 68	Luberite EP 68
150	630-770	AGMA Gear EP 4	AGMA Gear 150	Luberite EP 150
320	135-1650	AGMA Gear EP 6	AGMA Gear 320	Luberite EP 320
Worm gear oil				
460	1935-2365	Cylsctic TK 460	Light Cylinder, Open Gear 22, Optimum Choice Open Gear	Cylinder 460
Cling type gear shield (open gears)				
—	—	—	—	—
General purpose extreme pressure lithium based grease				
—	NLGI 2	Ronex MP 2	Multipurpose General, Multipurpose Special, Crimson, Palladium	—
Molybdenum disulfide extreme pressure grease				
—	NLGI 2	Ronex Extra Duty Moly	—	—

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ISO Viscosity grade	Viscosity, SUS at 100 F	Wallover Oil Co. Strongsville, OH walloveroil.com	Whitmore Mfg. Co. Rockwall, TX whitmores.com	Wolverine Oil & Supply Co., Inc. Dearborn, MI wolverineoil.com	O.F. Zurn Co. Philadelphia, PA
General purpose lubricants					
32	135-165	Woco T&H 32	Hyperion 32	A-1 R&O Hyd 150	Zurnpreem 15A
46	194-236	Woco T&H 46	Hyperion 46	A-1 R&O Hyd 200	Zurnpreem 21A
68	284-346	Woco T&H 68	Hyperion 68	A-1 R&O Hyd 300	Zurnpreem 30A
150	630-770	Woco T&H 150	Hyperion 150	A-1 R&O Hyd 700	Zurnpreem 70A
220	900-1100	Woco T&H 220	Hyperion 220	A-1 R&O Hyd 1000	Zurnpreem 95A
460	1935-2365	Woco T&H 460	—	A-1 R&O Hyd 2100	Zurnpreem 460A
Antiwear hydraulic oil					
32	135-165	Woco AW 32	Hyperion 32	A-1 Hyd 150 AW	Zurnpreem 15A
46	194-236	Woco AW 46	Hyperion 46	A-1 Hyd 200 AW	Zurnpreem 21A
68	284-346	Woco AW 68	Hyperion 68	A-1 Hyd 300 AW	Zurnpreem 30A
Spindle oil					
2	29-35	Wocospin 2	—	A-1 Spindle 30	Zurnpreem 3A
10	54-66	Wocospin 10	—	A-1 Spindle 60	Zurnpreem 6A
22	95-115	Wocospin 22	—	A-1 Spindle 100	Zurnpreem 10A
Way oil					
32	135-165	Wocoway 1	—	A-1 Way 150	HW 15, Waylube 1
68	284-346	Wocoway 2	Way 68	A-1 Way 300	Waylube 80
220	900-1100	Wocoway 4	Way 320	A-1 Way 1000	Waylube 90
Extreme pressure gear oil					
68	284-346	Woco HEP Gear 68	Paragon 68	A-1 Bearing & Gear 300	EP 35
150	630-770	Woco HEP Gear 150	Paragon 150	A-1 Bearing & Gear 700	EP 70
320	135-1650	Woco HEP Gear 320	Paragon 320	A-1 Bearing & Gear 1500	EP 120
Worm gear oil					
460	1935-2365	Woco Worm Gear 130	Paragon 460	A-1 Worm Gear 2100	Gear 150
Cling type gear shield (open gears)					
—	—	—	—	A-1 Open Gear	Open Gear
General purpose extreme pressure lithium based grease					
—	NLGI 2	Woco EP Lith 2	Omnilith 360 EP 2	A-1 Lith 2	MD EP 2
Molybdenum disulfide extreme pressure grease					
—	NLGI 2	Woco EP Moly Lith 2	Omnilith 360 M EP 2	A-1 Moly 2	MD 2 Moly