

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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ISO Viscosity grade	Viscosity, SUS at 100 F	American Refining Group, Inc. - Gulf Lubricants Bradford, PA amref.com	Amsoil, Inc. Superior, WI amsoil.com	Anderol Co. East Hanover, NJ anderol.com	Baum's Castorine Co., Inc. Rome, NY	Benz Oil Milwaukee, WI benzoil.com
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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ISO Viscosity grade	Viscosity, SUS at 100 F	C&C Oil Co. Kennesaw, GA ccoilco.com	Certified Labs Irving, TX certifiedlabs.com	Chemsearch Irving, TX chemsearch.com	Chemtool, Inc. Crystal Lake, IL chemtool.com	Chevron Lubricants & Specialty Products San Ramon, CA chevron-lubricants.com
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	Hydroclear Multipurpose R&O 32	CP 9001-32	—
46	194-236	Hydroclear Multipurpose R&O 46	CP 9001-46	—
68	284-346	Hydroclear Multipurpose R&O 68	CP 9001-68	—
150	630-770	Hydroclear Multipurpose R&O 150	CP 9001-150	—
220	900-1100	Hydroclear Multipurpose R&O 220	CP 9001-220	GL-5* Plus 85W-140
460	1935-2365	Hydroclear Multipurpose R&O 460	—	GL-5* Plus 80W-90
Antiwear hydraulic oil				
32	135-165	Hydroclear AW Hyd 32	CP 9000-32	—
46	194-236	Hydroclear AW Hyd 46	CP 9000-46	—
68	284-346	Hydroclear AW Hyd 68	CP 9000-68	—
Spindle oil				
2	29-35	Hydroclear Spindle 2	—	—
10	54-66	Hydroclear Spindle 10	—	—
22	95-115	Hydroclear Spindle 15	—	—
Way oil				
32	135-165	—	—	—
68	284-346	Hydroclear Multi-Way Machine 68	—	—
220	900-1100	Hydroclear Multi-Way Machine 220	—	—
Extreme pressure gear oil				
68	284-346	Hydroclear EP Gear 68	CP 9020-68	—
150	630-770	Hydroclear EP Gear 150	CP 9020-150	—
320	135-1650	Hydroclear 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	Uniwrl 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 kestonelubricants.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	McCullister & Co. Council Bluffs, IA mccullister.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	Inlube 5-32	Turbax 32	Nia-Vis R&O 32
46	194-236	Super R&O 46	Inlube 5-46	Turbax 46	Nia-Vis R&O 46
68	284-346	Super R&O 68	Inlube 5-68	Turbax 68	Nia-Vis R&O 68
150	630-770	Super R&O 150	Inlube 5-150	Turbax 150	Nia-Vis R&O 150
220	900-1100	Super R&O 220	Inlube 5-220	Turbax 220	Nia-Vis R&O 220
460	1935-2365	Super R&O 460	Inlube 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	Inlube 10-68	—	Aragain EP 68
150	630-770	Super NL Gear Comp 150	Inlube 10-150	Power Ind EP Gear 150	Aragain EP 150
320	135-1650	Super NL Gear Comp 320	Inlube 10-320	—	Aragain EP 320
Worm gear oil					
460	1935-2365	Super Cylinder 460	Inlube 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	Nocolith 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)				
—	—	Molleus 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