

**ASHBROOK KLAMPRESS®****13.0 LUBRICATION INFORMATION****13.1 LUBRICATION SCHEDULE**

<b>DAILY</b>	<b><u>None</u></b>
<b>WEEKLY</b>	<i>Check hydraulic tank level and condition of oil.</i>
<b>SEMI-ANNUALLY</b>	<i>Lubricate press roller bearings. Lubricate hydraulic pump motor bearings. Change oil in hydraulic tank, wash and replace filter screen.</i>
<b>ANNUALLY</b>	<i>Change oil in belt drive gear box.</i>

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**132 Klampress Lubrication Cross Reference**

Point of Application	Texaco	Exxon	Shell	Chevron	Mobil	Phillips	Frequency
Belt Drive Reducer	Meropa 220	N/A	Omala Oil 220	Non-Leaded Gear Compound 220	Mobilgear 630	N/A	Annually Drain & Refill
Press Roller Support Bearings	N/A	N/A	N/A	Ultra Duty Grease #2	Mobilith SHC 460	N/A	6 months Purge & refill
Hydraulic System Reservoir	Rando Oil HO 32	Nuto 32	Tellus 32	AW Oil 32	DTE 13M	Magnus 150	6 months or when necessary
Hydraulic Pump Motor	N/A	N/A	N/A	Ultra-Duty Grease #2	Mobilith SHC 460	N/A	6 months

Revised July 2000

KP-13 Rev.1

# LUBRICANTS

## Oil Capacities

### Right Angle Helical-Bevel Gear Units - "K"

U.S. Gallons

Gear Unit	Mounting Position							
	B3, H1, B5I	B3I, B6II	B5	B5II	B5III	B6, B9I	B6I	B8
K..37	0.13	0.34	0.29	0.40	0.29	0.26	0.18	0.26
K..47	0.21	0.53	0.34	0.58	0.45	0.34	0.21	0.40
K..57	0.29	0.84	0.81	0.92	0.69	0.83	0.40	0.83
K..87	0.29	0.90	0.83	0.95	0.74	0.83	0.40	0.89
K..77	0.58	1.58	1.08	1.58	1.16	1.08	0.74	1.18
K..87	0.98	2.88	2.18	3.14	2.38	2.11	0.98	2.30
K..97	1.85	5.28	3.88	5.68	4.57	3.70	1.85	4.14
K..107	2.64	8.45	5.81	9.24	6.88	5.84	2.84	6.73
K..127	5.54	14.28	10.98	14.62	12.14	10.98	5.54	11.62
K..157	8.18	23.76	17.42	24.29	18.22	16.37	8.18	17.18
K/KH..168	8.18	31.15	—	31.15	—	—	—	—
K/KH..186	16.05	51.22	—	51.22	—	—	—	—

Gear Unit	Mounting Position						
	V1, V1I	V5, V5I	V6/V6I	H2	H3	H4	H5, H6
K..37	0.26	0.26	0.26	0.26	0.37	0.26	0.26
K..47	0.42	0.42	0.42	0.42	0.55	0.34	0.42
K..57	0.77	0.69	0.83	0.74	0.95	0.69	0.77
K..87	0.71	0.89	0.69	0.71	0.95	0.83	0.69
K..77	1.19	1.11	1.18	1.21	1.58	1.08	1.16
K..87	2.22	2.06	2.11	2.32	2.93	2.18	2.11
K..97	4.14	4.14	4.09	4.14	5.28	3.88	4.14
K..107	6.60	6.34	6.34	6.34	8.45	5.41	6.34
K..127	10.82	10.58	10.82	11.35	13.73	10.98	10.58
K..157	16.37	15.31	16.37	17.89	22.97	17.42	16.37
K/KH..168	25.08	—	—	—	—	—	—
K/KH..186	40.92	—	—	—	—	—	—

Refer to the SEW Catalog or request Document #2113 for K-Series mounting position diagrams.

### the SNUGLER® Helical Gear Units - "F"

U.S. Gallons

Gear Unit	Mounting Position										
	H1	B5	B6	H2, B5II, B6II	H3, B5III, B6III	H4, B3, B8	B5I	H5	V1	V5	H6, V3, V6
F..37	0.26	0.26	0.26	0.26	0.29	0.26	0.26	0.34	0.32	0.32	0.32
F..47	0.40	0.42	0.40	0.29	0.45	0.40	0.40	0.50	0.50	0.50	0.50
F..57	0.71	0.73	0.69	0.55	0.79	0.77	0.77	1.08	1.08	1.08	1.00
F..87	0.71	0.71	0.71	0.50	0.84	0.77	0.77	1.00	1.00	1.00	1.00
F..77	1.32	1.35	1.32	1.14	1.88	1.59	1.59	2.11	2.14	2.11	1.88
F..87	2.64	2.72	2.64	2.06	2.96	2.85	2.81	3.85	3.72	3.65	3.49
F..97	4.89	5.02	4.89	3.33	5.42	4.89	4.99	6.85	6.74	6.65	5.94
F..107	6.47	6.74	6.47	5.15	7.40	7.13	7.28	9.91	10.17	9.91	8.45
F..127	10.30	10.98	10.70	8.98	12.94	12.28	12.28	16.11	16.64	16.11	14.79
F..157	17.95	19	18.22	16.9	20.86	22.18	22.97	27.48	27.98	27.72	27.72

Refer to the SEW Catalog or request Document #2112 for F-Series mounting position diagrams.

For additional information call the SEW FAXline, 1-800-601-6195, and request document number shown.

# LUBRICANTS

LUBRICATION SCHEDULE FOR SEW-EURODRIVE GEAR UNITS									
Gear Reducer Type <sup>1)</sup>	Lubrication Type	Ambient air temperature range ° F	kin viscosity at 40°C (cSt) approx.	Mobil Oil Co.	CHEVRON Oil Co.	Shell Oil Co.	Texaco Oil Co.	BP Oil Co.	Klüber Oil Co.
R	Oil	+32 to +104	VG220	Mobilgear 630	Chevron Non-Leaded Gear Compound 220	Shell Omala Oil 220	Meropa 220	BP Energol GR-XP 220	Klüberoil GEM 1-220
F		+5 to +77	VG150 VG100	Mobilgear 629	Chevron Non-Leaded Gear Compound 150	Shell Omala Oil 100	Meropa 150	BP Energol GR-XP 100	Klüberoil GEM 1-150
S	Oil	+32 to +104	VG680	Mobilgear 636	Chevron Non-Leaded Gear Compound 680	Shell Omala Oil 680	Meropa 680	BP Energol GR-XP 680	Klüberoil GEM 1-680
		+5 to +77	VG220	Mobilgear 630	Chevron Non-Leaded Gear Compound 220	Shell Omala Oil 220	Meropa 220	BP Energol GR-XP 220	Klüberoil GEM 1-220
General	Synth. Oil	+176 to +5	Consult Factory For Use of Synthetic Oils						
	Synth. Grease	+200 to -40	Consult Factory For Use of Grease Filled Reducers						
Ball & Roller Bearings	Grease Used for normal application Temp. range—20°F to 250°F			Mobilux EP 2	Chevron Dura-Lith EP2	Shell Alvania Grease R 3	Multifak EP2	BP Energrease LS 3	CEN-TOPLEX 2EP

<sup>1)</sup>Applies to all reducers with or without motor and input shaft.

Oil levels and oil quality should be checked at frequent intervals, depending on usage. Oil changes are required at intervals of 10,000 operating hours or every two years, whichever comes first. If a synthetic oil lubricant is used then this period can be extended to 20,000 operating hours or every four years, whichever comes first. In applications where hostile operating conditions exist, such as high humidity, corrosive environment, or large temperature changes, the lubricant should be changed at more frequent intervals.

The gear units W20 and W30 are supplied with a synthetic oil which is good for the life of the reducer, independent of the mounting position.

Grease packed bearings should be cleaned and regreased every 10,000 hours or 20,000 hours for synthetic grease. Input (high speed) bearings should not be overgreased. They should be filled with grease not to exceed 1/3 of the bearing's free volume. For output bearings and bearings with replaceable grease shields, fill to 2/3 of their free volume.

### ATTENTION

When the recommended lubricant is not available, it is permissible to use a lubricant having equivalent characteristics but we do not recommend that lubricants of different brands be mixed. Under no circumstances should synthetic lubricants be mixed with one another, or with one having a mineral base.