

16. EXPLODED VIEW AND PARTS LIST

AUXILIARY PTO VERSION

DIRECT DRIVE VERSION

SMH

Pockets to fill with grease

*** Lubricate with silicone grease Type OKS 1110, following the operations listed below:

a) The external diameter must only be slightly moistened

b) On the internal diameter, grease must be applied paying great attention to filling all the pockets between the sealing lips as shown in the figure.

* Lubricate the threaded shank with Molybdenum Disulphide grease code 12001500

** Lubricate with silicone grease Type OKS 1110. The external and internal diameters must be only slightly moistened.

Tightening seal support screws pos.22

Tightening of M8x100 screws according to the sequence indicated

1st Phase = 29 ft. lbs. (40Nm)

2nd Phase = 29 ft. lbs. (40Nm) (calibration check respecting the sequence)

Tightening of head and liner screws pos. 1 and pos. 26

OPERATION 1: Tightening M16x320 screws (pos. 1) in two steps observing the sequence indicated in figure: (A-B-C-D-E-F-G-H)

1st Phase = 147 ft. lbs. (200 Nm)

2nd Phase = 208 ft. lbs. (280 Nm)

OPERATION 2: Tightening M10x140 screws (pos. 26) in four steps observing the sequence indicated in figure: (1-2-3-4-5-6-7-8)

1st Phase = 29 ft. lbs. (40 Nm)

2nd Phase = 47 ft. lbs. (65 Nm)

3rd Phase = 61 ft. lbs. (83 Nm)

4th Phase = 61 ft. lbs. (83 Nm)

OPTIONAL

Item	Part No.	Description	QTY.
1	F99524200	SCREW, M16X320, UNI 5931	8
2	F73120656	MANIFOLD	1
3	F36208060	VALVE GUIDE	3
4	F94747500	SPRING, Ø 18X35, SS	3
5	F36208356	VALVE, Ø 14, 16, 18	3
6	F93198700	GASKET, Ø 36x31x3.8	3-6
7	F36210956	VALVE HOUSING, Ø 14, 16, 18	3
	F36208156	VALVE HOUSING, 20, 22, 24	3
8	F90309300	O-RING, Ø 60X2X2.62	3
9	F93197400	GASKET, Ø 26X31X3.8 SMH 14-16-18	3
	F93198700	GASKET, Ø 36X31X3.8 SMH 20-22-24	3
10	F36211056	FLAT VALVE, Ø 14, 16, 18	3
	F36207856	FLAT VALVE, Ø 20, 22, 24	3
11	F94752500	SPRING, Ø23.2X30.8, SM14-16-18	3
	F94746000	SPRING, Ø32X40, SM20-22-24	3
12	F73217320	SPACER FOR LINER	1
13	F73060456	LINER, SM14-16-18	3
	F73060556	LINER, SM20-22-24	3
14	F73224356	INTERMEDIATE SUPPORT, Ø14-16-18	3
	F73224482	INTERMEDIATE SUPPORT, Ø20-22-24	3
15	F73041201	PLUNGER, COMPLETE, Ø14	3
	F73041301	PLUNGER, COMPLETE, Ø16	3
	F73041401	PLUNGER, COMPLETE, Ø18	3
	F73041501	PLUNGER, COMPLETE, Ø20	3
	F73041601	PLUNGER, COMPLETE, Ø22	3
	F73041701	PLUNGER, COMPLETE, Ø24	3
16	F90260650	ALT. SEAL RING, Ø14X26X11, HP	3
	F90263500	ALT. SEAL RING, Ø16X26X11, HP	3
	F90265200	ALT. SEAL RING, Ø18X25X10.6, HP	3
	F90271200	ALT. SEAL RING, Ø 20X36X17.9, HP	3
	F90273300	ALT. SEAL RING, Ø 22X36X17.9, HP	3
	F90274400	ALT. SEAL RING, Ø 24X36X17.9, HP	3
17	F73219268	ANTI-EXTRUSION RING, Ø 14	3
	F73219368	ANTI-EXTRUSION RING, Ø 16	3
	F73219468	ANTI-EXTRUSION RING, Ø 18	3
	F78212568	ANTI-EXTRUSION RING, Ø 20	3
	F78212668	ANTI-EXTRUSION RING, Ø 22	3
	F78212768	ANTI-EXTRUSION RING, Ø 24	3
18	F73219560	SEAL BUSHING, Ø 14	3
	F73219660	SEAL BUSHING, Ø 16	3
	F73219760	SEAL BUSHING, Ø 18	3
	F78213160	SEAL BUSHING, Ø 20	3
	F78213260	SEAL BUSHING, Ø 22	3
	F78213360	SEAL BUSHING, Ø 24	3
19	F90260400	ALT. SEAL RING, Ø14X26X11, LP	3
	F90262950	ALT. SEAL RING, Ø16X26X11, LP	3
	F90265150	ALT. SEAL RING, Ø18X25X10.6, LP	3
	F90268900	ALT. SEAL RING, Ø 20X36X17.9, LP	3
	F90271400	ALT. SEAL RING, Ø 22X36X17.9, LP	3
	F90273900	ALT. SEAL RING, Ø 24X36X17.9, LP	3
20	F73218656	SEAL RING, Ø 14	3
	F27218756	SEAL RING, Ø 16	3
	F73218856	SEAL RING, Ø 18	3
	F73218956	SEAL RING, Ø 20	3
	F73219056	SEAL RING, Ø 22	3
	F73219156	SEAL RING, Ø 24	3
21	F90073100	RING, SEEGER, Ø 40, UNI 7437	3
22	F99326100	SCREW M8X100 UNI 5931	30
23	F90391300	O-RING, Ø 67.95X2.62	6
24	F73218056	GASKET SUPPORT, Ø 14	3
	F73218156	GASKET SUPPORT, Ø 16	3
	F73218256	GASKET SUPPORT, Ø 18	3
	F73218356	GASKET SUPPORT, Ø 20	3
	F73218456	GASKET SUPPORT, Ø 22	3
	F73218556	GASKET SUPPORT, Ø 24	3
25	F90386600	O-RING, Ø 29.82X2.62, SM14-16-18	3
	F90387800	O-RING, Ø 39.34X2.62, SM20-22-24	3
26	F99382800	SCREW, M10X140, UNI 5931	24
27	F90381800	O-RING, Ø 7.59X2.62	1
28	F96738000	WASHER, Ø 17.5X23X1.5	1
29	F78214566	CHOKE FITTING, Ø 3-3/8"-3/8" M-M	1
30	F96416400	ROTATING FITTING, 90 DEGREE	1
31	F73101456	HEAD RING, Ø 14	3
	F73101556	HEAD RING, Ø 16-18	3
	F78100570	HEAD RING, Ø 20	3
	F78100670	HEAD RING, Ø 22-24	3
32	F79211689	CENTERING BUSH	4
33	F93174000	PLUG, G 1/2"	2
34	F96738000	WASHER, Ø 17.5x23x1.5	3
35	F73150022	INSPECTION COVER, CLOSED	1
36	F73050336	PLUNGER GUIDE ROD	3
37	F90414800	O-RING, Ø 202.8X3.53	2
38	F73150422	INSPECTION COVER, OPEN	1
39	F90168500	RADIAL RING, Ø 40X72X7/8.5	3
40	F99188400	SCREW, M6X20	12

Item	Part No.	Description	QTY.
41	F73010013	PUMP CASTING	1
42	F73050443	PLUNGER GUIDE	3
	F73050543	PLUNGER GUIDE	3
43	F73210674	LIFTING BRACKET	1
44	F99513000	SCREW, M16X30	2
45	F73030101	CONNECTING ROD COMPLETE	3
46	F99378800	CONROD SCREW	6
47	F90928300	BABBITT BUSHING, LOWER	3
	F90928400	BABBITT BUSHING, +0.25	3
	F90928500	BABBITT BUSHING, +0.50	3
	F90928000	BABBITT BUSHING, UPPER	3
48	F90928100	BABBITT BUSHING, +0.25	3
	F90928200	BABBITT BUSHING, +0.50	3
49	F90915800	CONROD FOOD BUSHING	3
50	F90069000	RING, SEEGER, Ø 32	6
51	F97744000	SPINDLE	3
52	F99183700	SCREW, M6X14	2
53	F98206000	PLUG, Ø 15	6
54	F98233500	DIPSTICK G 1"	1
55	F90361600	O-RING, 34.65X1.78	1
56	F73210295	OIL FILLING TUBE	1
57	F91854000	ROLLER BEARING	1
58	F10076735	PINION, HELICAL Z24 R. 1.875	1
	F10076835	PINION, HELICAL Z21 R. 2.238	1
	F10076935	PINION, HELICAL Z18 R. 2.722	1
	F10082255	PINION, HELICAL Z19 R. 3.211	1
59	F97623000	CYLINDER PIN, Ø 10X24	2
60	F90101000	RING GEAR STOP	1
61	F91859900	ROLLER BEARING	1
62	F73210455	BEARING SUPPORT RING	1
63	F90081000	RING, SEEGER	1
64	F90172400	RING, RADIAL, Ø 55X75X8	1
65	F91500500	TAB 14X9X60	1
66	F73210589	GEAR SUPPORT RING	1
67	F99366700	SCREW, M10X25	2
68	F91511000	TAB, 22X14X80	1
69	F74213255	GEAR STOP RING	1
70	F73020035	CRANKSHAFT	1
71	F10077035	RING GEAR Z45 R. 1.875, HELICAL	1
	F10077135	RING GEAR Z47 R. 2.238, HELICAL	1
	F10077235	RING GEAR Z49 R. 2.722, HELICAL	1
	F10082355	RING GEAR Z61 R. 3.211, HELICAL	1
72	F99371000	SCREW, M10X40	15
73	F73210113	REDUCTION GEAR COVER	1
74	F90415000	O-RING, Ø 253.60X3.53	2
75	F73210013	REDUCTION GEARBOX	1
76	F91881000	BEARING	2
77	F73210384	GASKET	2
78	F73160022	REAR COVER	1
79	F99368600	SCREW, M10X30	14
80	F73150222	BEARING COVER	1
81	F98218700	PLUG, G1/2"X10	2
82	F96751400	WASHER, Ø 21.5X27X1.5	2
83	F96338000	BOLT, G1/2"	1
84	F98217300	PLASTIC PLUG, G1/2"	1
85	F73224184	REAR COVER SEAL	1
86	F99194300	SCREW, M6X40	2
112	F73200064	PUMP FOOT	2

WITH HYDRAULIC MOTOR

100	F10077355	PINION Z24 R. 1.875, HELICAL FEMALE	1
	F10077455	PINION Z21 R. 2.238, HELICAL FEMALE	1
	F10079455	PINION Z18 R. 2.722, HELICAL FEMALE	1
101	F70227034	SCREW M6X12	1
102	F73224271	RING, Ø 54	1
103	F92202500	NUT, M6X5	1
104	F90206500	PLUG, Ø 17	1
105	F73215513	REDUCTION GEAR COVER	1

DIRECT DRIVE

79	F99368600	SCREW M10X30	8
106	F73150322	BEARING COVER	1
107	F90391450	O-RING, Ø 75.87X2.62	1
110	F90195000	RING, Ø 90X111X12	1
111	F73215654	DIRECT DRIVE RING	1

AUXILIARY PTO

79	F99368600	SCREW, M10X30	8
106	F73150322	BEARING COVER	1
107	F90391450	O-RING, Ø 75.87X2.62	1
108	F73215754	AUXILIARY POWER TAKE-OFF	1
109	F99367100	SCREW, M10X25	6
110	F90195000	RING, Ø 90X110X12	1