

## CP470 PUMP PARTS LIST

<u>ITEM</u>	<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY.</u>	<u>ITEM</u>	<u>PART</u>	<u>DESCRIPTION</u>	<u>QTY.</u>
1	CP08377	Crankcase	1	16E	CP07023	O-Ring	3
2	CP08378	Oil Fill Plug with Gasket	1	16F	CP07203	Backup Ring	3
3	CP06479	Crankcase cover	1	16G	CP07258	Copper Washer	3
3A	CP07186	Oil Sight Glass w/ Gasket	1	17	CP06790	Crosshead Pin	3
4	CP08380	O-Ring	1	19	CP08366	Oil Seal	3
5	CP07109	Oil Drain Plug, 1/2" BSP	1	20	CP06928	Gear Seal Adapter	3
5A	CP06015	O-Ring for Oil Drain Plug	1	20A	CP08059	O-Ring	3
5B	CP08092	Plug with Gasket	1	21	CP06929	Seal Sleeve	3
6	CP01010	Screw	4	21A*	CP07150-0003	O-Ring, EPDM	6
6A	CP01010-0400	Spring Washer	4	22	CP06930	Valve Holder	3
7	CP04739	Bearing Cover, Open	1	23	CP06931-0020	Grooved Seal	6
8	CP05291	Bearing Cover, Closed	1	24	CP06932	Support Ring	3
8A	CP05292	Shim, 0.1 mm	1-3	25	CP06933	Intermediate Casing	1
8B	CP05293	Shim, 0.2 mm		25A	CP05934	Thread Plug	2
		(May not be present)	1	25B*	CP02009-0003	O-Ring, EPDM	2
8C	CP05964	Shim, 0.15 mm		26	CP06935	Manifold, Brass	1
		(May not be present)	2	27A	CP06936-0003	Valve Assembly	6
9	CP01016	O-Ring	2	27	CP06937	Valve Seat	6
10	CP07114	Screw with Washer	8	28	CP06938	Valve Plate	6
11	CP07459	Radial Shaft Seal	1	29	CP06377-0100	Valve Spring	6
12	CP05350	Taper Roller Bearing	2	30	CP06939	Spring Tension Cap	6
13	CP04741	Crankshaft	1	31*	CP07212-0003	O-Ring, EPDM	6
13A	CP04742	Spacer Ring	1	32	CP08373	Plug	3
14	CP08091	Fitting Key	1	33*	CP07214-0003	O-Ring, EPDM	3
15	CP08390	Connecting Rod Assembly	3	34	CP06494	Inner Cap Screw	8
15A	CP07311	Screw with Washer	6	36	CP07703	Plug, 3/4" BSP	3
16	CP05961	Plunger Assy., (16A-16G)	3				
16A	CP05352	Plunger Base	3				
16B	CP05962	Plunger Pipe	3				
16D	CP08399	Tension Screw	3				

\*The EPDM (Buna) O-Rings must not come into contact with mineral oil or mineral grease. Use silicone grease only.

## CP470 PUMP REPAIR KITS

### Plunger Packing Kit - # CP09718

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
20A	CP08059	O-Ring, EPDM	3
21A	CP07150-0003	O-Ring, EPDM	6
23	CP06931-0020	Grooved seal	6
24	CP06932	Support Ring	3
25B	CP02009-0003	O-Ring, EPDM	2

### Valve Assembly Kit - # CP09719

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
27A	CP06936-0003	Valve Assembly	6
33	CP07214-0003	O-Ring, EPDM	3

### Oil Seal Kit - # 09306

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
19	CP08366	Oil Seal	3

## CP470 PUMP TORQUE SPECIFICATIONS

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Torque Amount</u>
3A	CP07186	Oil Sight Glass	106 in.-lbs. (12 Nm)
5	CP07109	Oil Drain Plug	59 ft.-lbs. (80 Nm)
5B	CP08092	Plug	59 ft.-lbs. (80 Nm)
6	CP01010	Screw	110 in.-lbs. (12.5 Nm)
10	CP07114	Screw w/Washer	132 in.-lbs. (15 Nm)
15A	CP07311	Screw with Washer	97 in.-lbs. (11 Nm)
16D	CP08399	Tension Screw	247 in.-lbs. (28 Nm)
32	CP08373	Plug	132 in.-lbs. (15 Nm)
34	CP06494	Cap Screw	30 ft.-lbs. (40 Nm)