

P450/P451/P452/P456 SPARE 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	08377	Crankcase	1	16H	06431	Oil Scraper	3
2	08378	Oil Fill Plug with Gasket	1	17	06790	Crosshead Pin	3
3	06479	Crankcase cover	1	19	05444	Oil Seal	3
3A	07186	Oil Sight Glass w/ Gasket	1	20	05534	Seal Case	3
4	08380	O-Ring	1	21	07266	O-Ring	3
5	07109	Oil Drain Plug	1	23	08477*	V-Sleeve, 18mm	6
5A	06015	O-Ring for Oil Drain Plug	1	24	07929	Pressure Ring	3
5B	08092	Plug with Gasket	1	25	08402	Weep Return Ring	3
6	01010	Screw	4	26	05574	Manifold - Brass (P452, P456)	1
6A	01011-0400	Spring Washer	4	26	08470	Manifold - Bronze (P450, P451)	1
7	05290	Bearing Cover Open	1	27A	05543	Valve Assy.	6
8	05291	Bearing Cover Closed	1	27	05541	Valve Seat	6
8A	05292	Shim	3	28	05542	Valve Plate	6
8B	05293	Shim (May not be present)	1	29	07906	Valve Spring	6
9	01016	O-Ring	2	30	07907	Valve Spring Retainer	6
10	07114	Screw with Washer	8	31	07770	O-Ring	6
11	07459	Radial Shaft Seal	1	32	05544	Plug	6
12	05350	Taper Roller Bearing	2	32	08406	Plug (P450, P451)	6
13	04336	Crankshaft		33	05545	O-Ring (P452, P456)	6
		(P451, P452, P456)	1	33	07489	O-Ring (P450, P451)	6
13	08475	Crankshaft (P450)	1	34	08484	Hexagon Screw (P452, P456)	8
14	08091	Fitting Key	1	34	08396	Hexagon Screw (P450, P451)	8
15	08390	Connecting Rod Assembly	3	36	13434	Plug, 1/2" BSP	2
16	05484	Plunger Assy., 18mm		37	06272	Copper Washer	2
		(Items 16A-16H)	3				
16A	05352	Plunger Base	3				
16B	08397	Plunger Pipe, 18mm	3				
16D	08399	Tension Screw	3				
16E	07023	O-Ring	3				
16F	07203	Backup Ring	3				
16G	07258	Copper Washer	3				

*Important! If the pump is not used for a long period of time, it is possible the seals (23) could become hard or brittle thus causing the pump to leak when put into operation. If this is the case, we recommend these seals be replaced every 4 years.

REPAIR KITS

Plunger Packing Kit - # 09141

<u>Item</u>	<u>Part#</u>	<u>Description</u>	<u>Qty</u>
21	07266	O-Ring	3
23	08477	V-Sleeve	6
24	07929	Pressure Ring	3

Oil Seal Kit - #09641

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
19	05444	Oil Seal	3

Valve Assembly Kit - P456

09644

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
27A	05543	Valve Assembly, Complete	6
33	05545	O-Ring	6

Valve Assembly Kit - P450/P451/P452

09770

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty</u>
27A	05543	Valve Assembly, Complete	6
33	07489	O-Ring	6