

## GP5132GB-180 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	03248	Crankcase	1	46	13302	Inlet Valve Assembly	3
2	13000	Oil Filler Plug Assembly	1	46A	12055	O-Ring	3
3	05943	Oil Sight Glass Assembly	1	46B	08059	O-Ring	3
4	13267	Crankcase Cover	1	46C	13304	Inlet Valve Seat	3
5	13268	O-Ring	1	46D	13306	Valve Plate	3
7	04334	Drip Pan	1	46E	13307	Valve Spring	3
8	07105	Oil Dip Stick Assembly	1	46F	13308	Spring Tension Cap	3
9	01009	O-Ring, Dip Stick	1	46G	13309	Spacer Sleeve	3
10	07008	Inner Hexagon Screw	8	47	13311	Discharge Valve Assembly	3
11	06725	Spring Washer	8	47A	13289	O-Ring	3
12	07703	Drain Plug, 3/4" BSP	1	47B	07700	O-Ring	3
13	07704	Gasket, Drain Plug	1	47C	13314	Discharge Valve Seat	3
14	03249	Bearing Cover	1	47D	13306	Valve Plate	3
14A	03250	O-Ring	4	47E	13307	Valve Spring	3
15	08439	Lid	1	47F	13308	Spring Tension Cap	3
16	08380	O-Ring	1	48	13316	Plug	3
20	13206	Taper Roller Bearing	2	48A	07008	Inner Hexagon Screw	12
20A*	13207	Shim, 0.1mm	1-5	48B	07740	O-Ring	3
20B*	04723	Shim, 0.15mm	1-5	48C	07232	Tension Spring	3
20C*	04724	Shim, 0.2mm	1-5	49	13339	Inner Hexagon Screw	8
22	03251	Crankshaft	1	54	06626	Plug, 1" NPT	1
23	03252	Fitting Key	1	55	06627	Plug, 1-1/2" NPT	2
24	13276	Connecting Rod Assembly	3	56	07623	Eye Bolt	1
25	13279	Crosshead Assembly	3	56A	22610	Plug, 1/4" NPT	3
28	13281	Crosshead Pin	3	57	03256	Gearbox Assembly (58-79)	1
29A	07125	Centering Sleeve	3	58	03257	Bottom Casing for Gear	1
29B	13022	Plunger Pipe	3	59	03195	Top Casing for Gear	1
29C	13031	Tensioning Screw	3	60	03196	O-Ring	1
29D	07755	Copper Ring	3	61	03253	Centering Ring	1
30	13282	Oil Scraper	3	62	03254	Gearwheel Set 2.0:1	1
30A	05889	Washer for Drip Shield	3	64	03199	Cylinder Roller Bearing	1
31	13284	Radial Shaft Seal	3	65	03200	Cylinder Roller Bearing	1
35	13559	Seal Sleeve	3	66	03201	Shim, 0.1 mm	1-3
35B	08183	O-Ring	3	67	05058	Radial Shaft Seal	1
36	13360	Grooved Ring	3	68	04744	Cylindrical Pin	3
37	13361	Seal Case	3	69	03202	Hexagon Socket Screw	8
37A	07700	O-Ring	3	70	03255	Spacer Ring for Gear	1
37B	07653	O-Ring	3	71	07008	Hexagon Socket Screw	4
39	13026	Pressure Ring	3	72	08041	Washer	8
40	13027	V-Sleeve	6	73	08380	O-Ring	1
41	13028	Sleeve Support Ring	3	75	13362	Disc for Crankshaft	1
42	07173	Tension Spring	3	76	13358	Hexagon Screw	1
43	13300	Valve Casing	1	77	07109	Plug, 1/2" BSP	2
45	07109	Plug, 1/2" BSP	1	78	06272	Copper Seal Ring, 1/2"	2
45A	06272	Copper Seal Ring, 1/2"	1	79	13243	Fitting Key	1

\*May not be present in quantities stated

## GP5132GB-180 Repair Kits

### Plunger Packing Kit - #09290

<u>Item</u>	<u>Part#</u>	<u>Description</u>	<u>Qty.</u>
35B	08183	O-Ring	3
36	13360	Grooved Ring	3
37A	07700	O-Ring	3
37B	07653	O-Ring	3
40	13027	V-Sleeve	6

### Inlet Valve Kit - #09231

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
46A	12055	O-Ring	1
46B	08059	O-Ring	1
46C	13304	Valve Seat	1
46D	13306	Valve Plate	1
46E	13307	Valve Spring	1

### Oil Seal Kit - #09230

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
31	13284	Oil Seal	3

### Discharge Valve Kit - # 09232

<u>Item</u>	<u>Part #</u>	<u>Description</u>	<u>Qty.</u>
47A	13289	O-Ring	1
47B	07700	O-Ring	1
47C	13314	Valve Seat	1
47D	13306	Valve Plate	1
47E	13307	Valve Spring	1

## GP5132GB-180 Torque Specifications/Lubrication Information

<u>Position</u>	<u>Item#</u>	<u>Description</u>	<u>Lubrication</u>	<u>Torque Amount</u>
1	03248	Crankcase	Molycote Cu-Paste	
3	05943	Oil Sight Glass Assembly	Loctite 572	22 ft.-lbs. (30 Nm)
10	07008	Inner Hexagon Screw		33 ft.-lbs. (45 Nm)
12	07703	Drain Plug, 3/4" BSP		74 ft.-lbs. (100 Nm)
24	13276	Connecting Rod Assembly		22 ft.-lbs. (30 Nm)
31	13284	Radial Shaft Seal	Loctite 403	
29C	13031	Tension Screw, Plunger	Loctite 243	22 ft.-lbs. (30 Nm)
48A	07008	Inner Hexagon Screw, Plug		35 ft.-lbs. (47 Nm)
49	13339	Inner Hexagon Screw, Valve Casing		89 ft.-lbs. (120 Nm)

## GP5132GB-180 Repair Instructions

### To Check Valves

Remove inner hexagon screw (48A) and remove plugs (48) with a screwdriver. Check O-rings on plugs (48). Pull out tension spring (48C). Remove the spring tension disc (47F) from discharge valve lying underneath by screwing in the M10-screw. Take out spring (47E) and plate (47D). Pull out valve seat (47C) by means of an valve puller. Check sealing areas of plate and valve seat for damage and replace worn parts. Check O-rings (47A) and (47B). Screw spacer pipe (46G) out of spring tension cap (46F) in the suction valve lying underneath. Remove suction valve by screwing in an M10-screw. Check O-ring (46A) and (46B). If valve seat (46C) remains in the valve casing (43) then carry forth as described for discharge valve. When reassembling, use new O-rings if possible and oil them before installing.

Tighten inner hexagon screws (48A) to 35 ft.-lbs. (47 Nm).

### To Check Seals and Plunger Pipe

Loosen the inner hexagon screws (49) and pull off valve casing (43) to the front. Pull seal sleeves (35) out of guides in crankcase and over the plunger pipe (29B). Pull support ring (41), sleeves (40) and pressure ring (39) out of seal sleeve. Check plunger surfaces, sleeves (40) and grooved rings (36). Replace worn parts.

If the plunger pipe is worn out, loosen tension screw (29C) and pull off plunger pipe to the front. Clean contact surfaces of plunger (25) thoroughly. Then place new plunger pipe carefully through the oiled seals into the seal case. Check o-rings on seal sleeves and seal case and replace worn o-rings. Then push seal sleeve together with plunger pipe into the crankcase guide. Turn gear carefully until plunger (25) comes up against the plunger pipe. Put a new copper gasket (29D) onto the tension screw (29C). Cover the thread of tension screw and the gasket with glue and tighten to 22 ft.-lbs. (30 Nm).