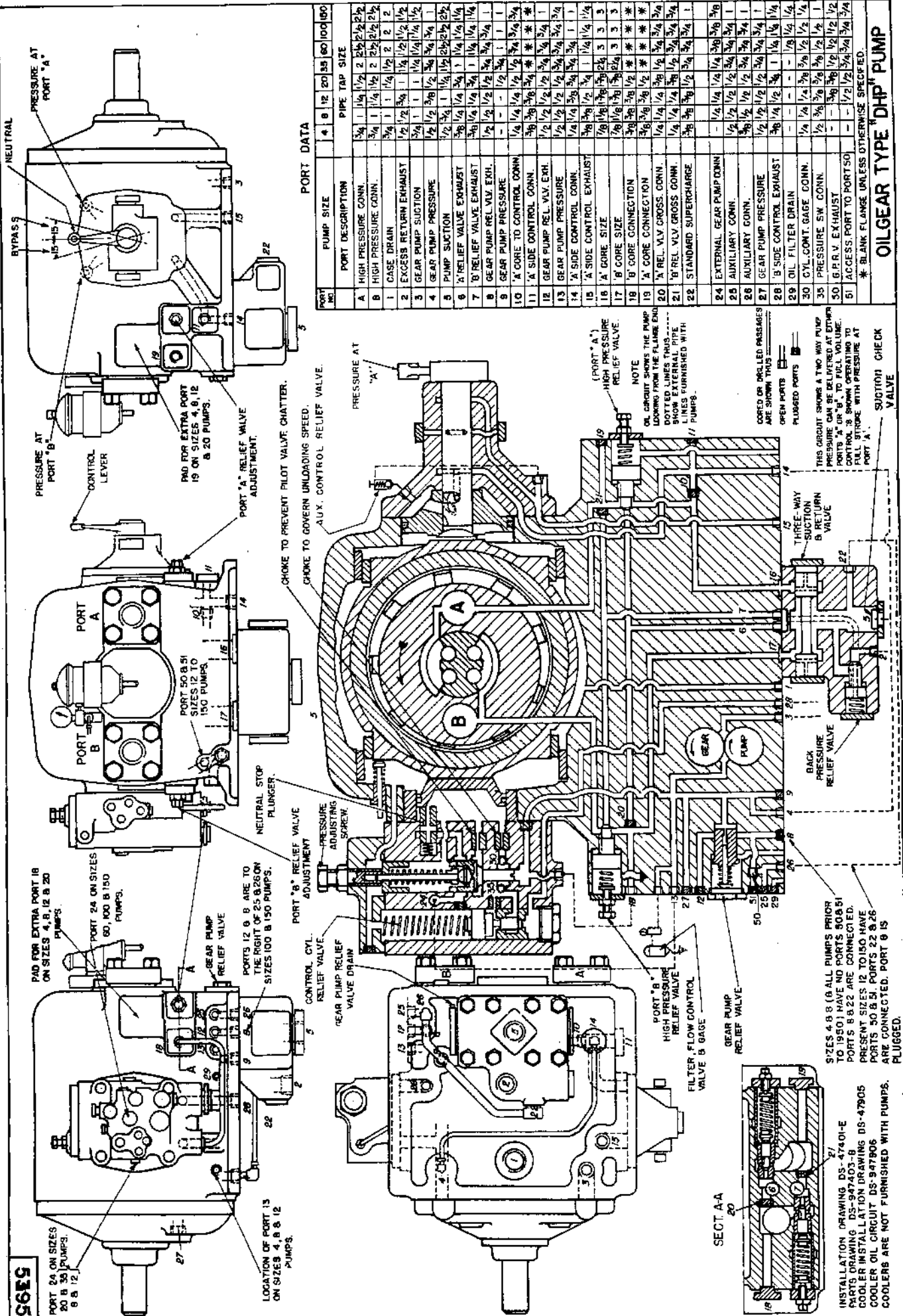


53951D

REISSUED, SEPT. 15, 1955

THE OILGEAR CO.

DS-947421-D



PORT DATA

PORT NO.	PUMP SIZE	PIPE TAP SIZE	4	8	12	20	35	60	100	150
A	HIGH PRESSURE CONN.		3/4	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2	5 1/2
B	HIGH PRESSURE CONN.		3/4	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2	5 1/2
1	CASE DRAIN		3/4	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2	5 1/2
2	EXCESS RETURN EXHAUST		1/2	1	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2
3	GEAR PUMP SUCTION		3/4	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2	5 1/2
4	GEAR PUMP PRESSURE		3/4	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2	5 1/2
5	PUMP SUCTION		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3 1/2
6	"A" RELIEF VALVE EXHAUST		3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4
7	"B" RELIEF VALVE EXHAUST		3/8	1/2	5/8	3/4	1	1 1/4	1 1/2	1 3/4
8	GEAR PUMP REL. VALV. EXH.		1/2	1	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2
9	GEAR PUMP PRESSURE		1/2	1	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2
10	"A" SIDE CONTROL CONN.		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
11	"A" CORE TO CONTROL CONN.		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
12	GEAR PUMP REL. VALV. EXH.		1/2	1	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2
13	GEAR PUMP PRESSURE		1/2	1	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2
14	"A" SIDE CONTROL CONN.		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
15	"A" SIDE CONTROL EXHAUST		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
16	"A" CORE SIZE		7/8	1 1/8	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2
17	"B" CORE SIZE		7/8	1 1/8	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2
18	"B" CORE CONNECTION		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
19	"A" CORE CONNECTION		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
20	"A" REL. VALV. CROSS. CONN.		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
21	"B" REL. VALV. CROSS. CONN.		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
22	STANDARD SUPERCHARGE		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
24	EXTERNAL GEAR PUMP CONN.		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
25	AUXILIARY CONN.		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
26	AUXILIARY CONN.		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
27	GEAR PUMP PRESSURE		1/2	1	1 1/4	1 1/2	2	2 1/2	3 1/2	4 1/2
28	"B" SIDE CONTROL EXHAUST		3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
29	OIL FILTER DRAIN		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
30	CYL. CONTROL GAGE CONN.		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
35	PRESSURE SW. CONN.		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
50	G.P.R.V. EXHAUST		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
51	ACCESS PORT TO PORT 50		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2

OILGEAR TYPE "DHP" PUMP

* BLANK FLANGE UNLESS OTHERWISE SPECIFIED.

SUCTON CHECK VALVE

THIS CIRCUIT SHOWS A TWO WAY PUMP PRESSURE CAN BE DELIVERED AT EITHER PORTS "A" OR "B" TO FULL VOLUME. CONTROL IS SHOWN OPERATING AT FULL STROKE WITH PRESSURE AT PORT "A"

ON CIRCUIT SHOWS THE PUMP LOOKING FROM THE FLANGE END. DOTTED LINES THUS SHOWN EXTERNAL PIPE, SHOWS EQUIPPED WITH PUMPS.

CORDED OR PEGGED PASSAGES ARE SHOWN WITH OPEN PORTS

PLUGGED PORTS

GEAR PUMP RELIEF VALVE

THREE-WAY SUCTION & RETURN VALVE

BACK PRESSURE RELIEF VALVE

SECT. A-A

INSTALLATION DRAWING DS-47401-E PARTS DRAWING DS-947403-B COOLER INSTALLATION DRAWING DS-47905 COOLER OIL CIRCUIT DS-947906 COOLERS ARE NOT FURNISHED WITH PUMPS.

SIZES 4, 8, 12, 20, 35, 60, 100, 150 PUMPS PRIOR TO 1950, HAVE NO PORTS 8, 9, 12, 20, 35, 60, 100, 150 ARE CONNECTED.

PRESENT SIZES 12 TO 150 HAVE PORTS 8, 9, 12, 20, 35, 60, 100, 150 ARE CONNECTED. PORT 8 IS PLUGGED.