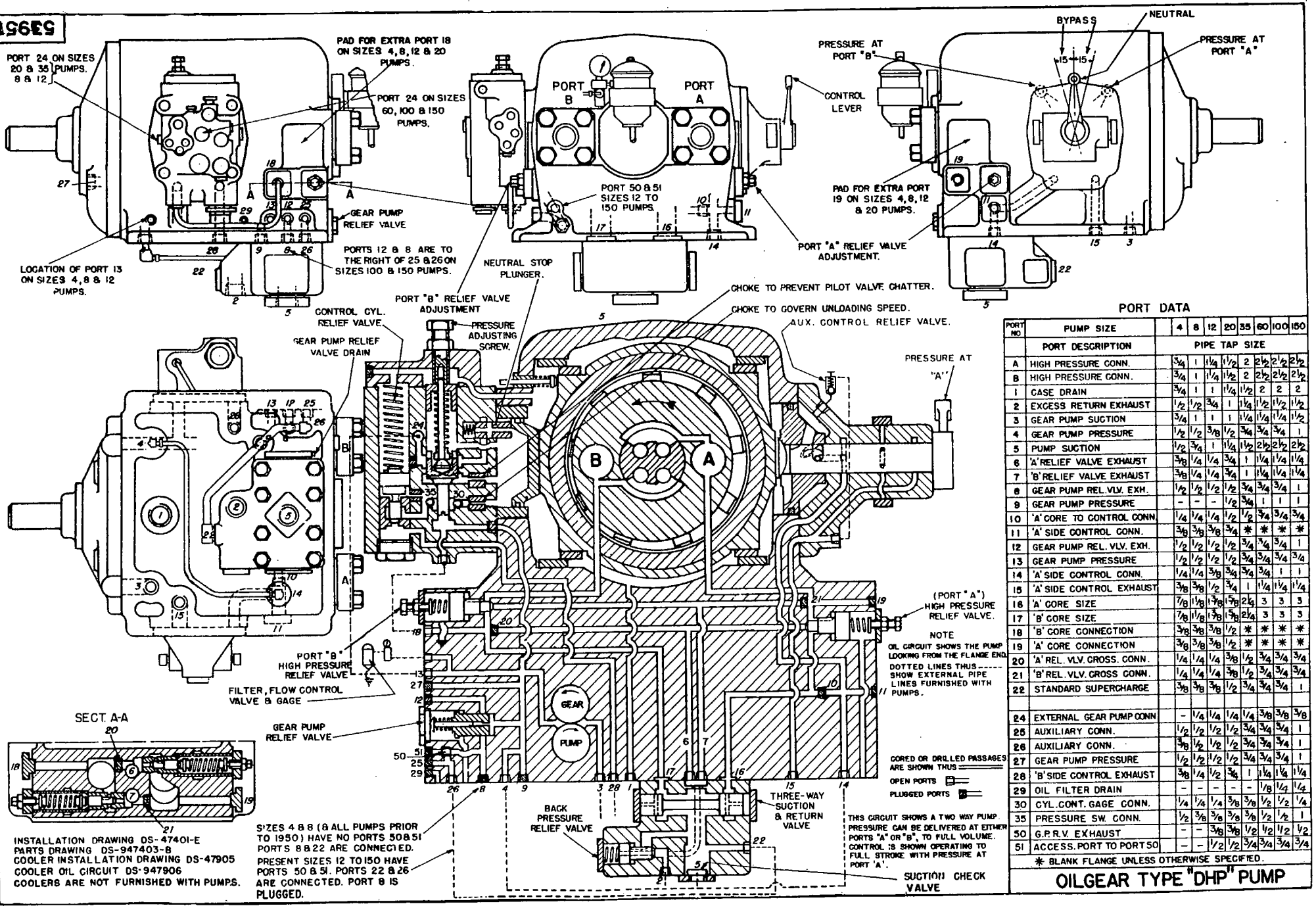
DR. CES REISSUED. SEPT. 15, 1955



NOTE

OIL CIRCUIT SHOWS THE PUMP LOOKING FROM THE FLANGE END. DOTTED LINES THUS ----- SHOW EXTERNAL PIPE LINES FURNISHED WITH PUMPS.

CORED OR DRILLED PASSAGES ARE SHOWN THUS ═══

OPEN PORTS

PLUGGED PORTS

THIS CIRCUIT SHOWS A TWO WAY PUMP. PRESSURE CAN BE DELIVERED AT EITHER PORTS "A" OR "B", TO FULL VOLUME. CONTROL IS SHOWN OPERATING TO FULL STROKE WITH PRESSURE AT PORT '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 8 (8 ALL PUMPS PRIOR TO 1950) HAVE NO PORTS 50 & 51. PORTS 8 & 22 ARE CONNECTED.

PRESENT SIZES 12 TO 150 HAVE PORTS 50 & 51. PORTS 22 & 26 ARE CONNECTED. PORT 8 IS PLUGGED.

PORT DATA

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

* BLANK FLANGE UNLESS OTHERWISE SPECIFIED.

OILGEAR TYPE "DHP" PUMP

THE OILGEAR CO.

DS-947421-D