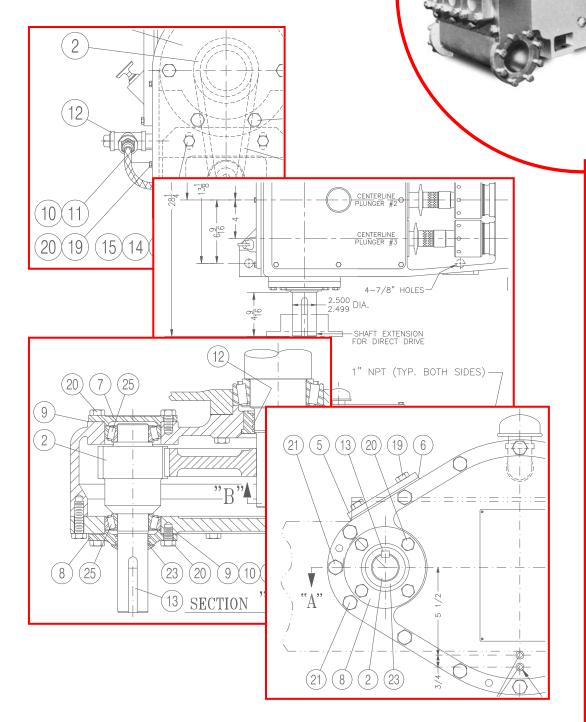


202T-6L Triplex Plunger Pump Parts List



202T-6

202T-6L

Types:

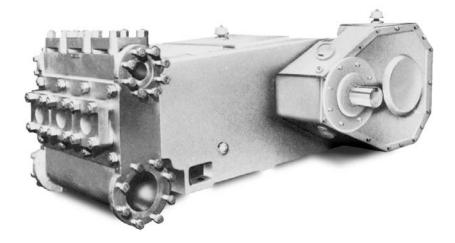
Sales / Technical Information

USA Tollfree: 1 (800) 324-4706 Phone: 1 (918) 447-4600 Fax: 1 (918) 447-4677 Internet: http://www.nov.com

REVISED: April 4, 2008 ISSUE: October 9, 2000



Parts List Triplex Plunger Pump 202T-6

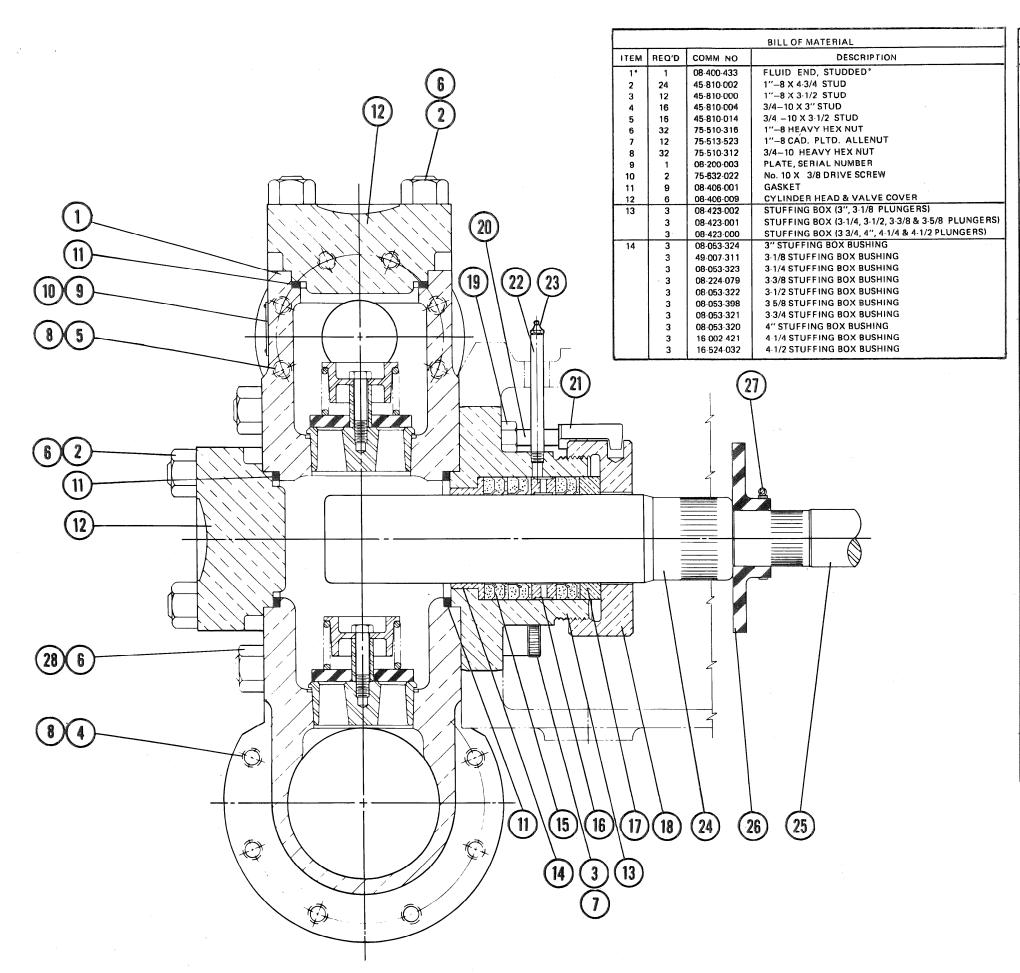


Rated input horsepower "T" Triplex -Stroke Length (in.) -Fluid End Pressure Ranges-"L" Low, "M" Medium, "H" High

Index and Check List:

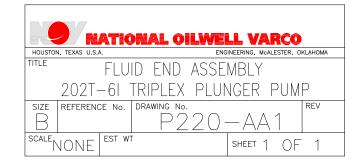
PAGE	DWG.	DESCRIPTION	SERIES OF	DATE OF
	NUMBER		ISSUE	ISSUE
1	P220-AA1	FLUID END ASSEMBLY	SECOND	10-1-88
2	GSK-5757P	VALVE SERVICE ASSEMBLY	SECOND	10-1-88
3	P213-AE1	POWER END ASSEMBLY	SECOND	10-1-88
4	P115-AM1	DIAPHRAGM ASSEMBLY	SECOND	10-1-88
5	P213-AH1	GEAR REDUCTION UNIT ASSEMBLY	FIRST	10-1-88
6	P150-AD1	LUBRICATOR ASSEMBLY	SECOND	10-1-88
7	P220-2	OUTLINE DRAWING LESS GEAR	SECOND	10-1-88
8	P220-A2	OUTLINE DRAWING WITH GEAR	SECOND	10-1-88

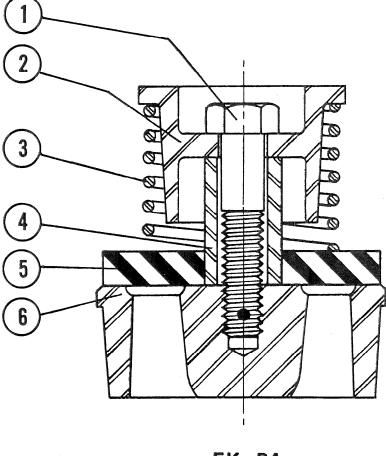
Revisions effective April 4, 2008 – updated phone number on cover and last page; updated logo on all pages.



			BILL OF MATERIAL
ITEM	REQ'D	COMM NO	DESCRIPTION
15	3	08-215-044	3" PACKING SET (STYLE 838)
	3	08-415-050	3-1/8 PACKING SET (STYLE 838)
	3	08-215-045	3-1/4 PACKING SET (STYLE 838)
	3	16-515-018	3-3/8 PACKING SET (STYLE 838)
	3	08-215-047	3-1/2 PACKING SET (STYLE 838)
	3	08-215-169	3-5/8 PACKING SET (STYLE 838)
	3	08-215-049	3-3/4 PACKING SET (STYLE 838)
	3	08-215-050	4" PACKING SET (STYLE 838)
	3	08-215-051	4-1/4 PACKING SET (STYLE 838)
	3	08-415-013	4-1/2 PACKING SET (STYLE 838)
16	3	08-053-308	3" LANTERN RING
	3	08-211-135	3 1/8 LANTERN RING
	3	08-053-307	3-1/4 LANTERN RING
	3	08-211-124	3-3/8 LANTERN RING
	3	08-053-306	3-1/2 LANTERN RING
	3	08-053-399	3 5/8 LANTERN RING
	3	08-053-305	3-3/4 LANTERN RING
	3	08-053-304	4" LANTERN RING
	3	16-001-121	4-1/4 LANTERN RING
4-7	3	16-511-033	4-1/2 LANTERN RING
17	3	08-053-292	3" GLAND FOLLOWER
	3	08-226-278	3-1/8 GLAND FOLLOWER
	3	08-053-291	3-1/4 GLAND FOLLOWER
	3	08-226-254	3-3/8 GLAND FOLLOWER
	3	08 053 290	3-1/2 GLAND FOLLOWER
	3	08-053-400	3-5/8 GLAND FOLLOWER
	3	08-053-289	3-3/4 GLAND FOLLOWER
	3	08-053-288	4" GLAND FOLLOWER
	3	16-002-621	4-1/4 GLAND FOLLOWER
18	3	16-526-032 08-425-002	4-1/2 GLAND FOLLOWER
10	3	08-425-001	STUFFING BOX GLAND (3", 3-1/8 PLUNGERS)
	3	08-425-000	STUFFING BOX GLAND (3-1/4, 3-3/8, 3-1/2 & 3-5/8 PLUNGERS)
	3	08-425-011	STUFFING BOX GLAND (3.3/4, 4" & 4.1/4 PLUNGERS)
19	3	75-510-310	STUFFING BOX GLAND (4-1/2 PLUNGER) 5/8-11 HEAVY HEX NUT
20	3	75-634-368	5/8-11 X 4" HEX HD HT CAPSCREW
21	2	08-425-008	PAWL, GLAND
22	3	08-804-121	1/4 X 6" SCH 40 GREASE NIPPLE
23	3	64-016-115	1/8 HYD GREASE FITTING
24	3	08-412-027	3" CO-HARD PLUNGER
_ ,	3	08-412-126	3-1/8 CO-HARD PLUNGER
	3	08-412-028	3-1/4 CO—HARD PLUNGER
	3	08-412-169	3-3/8 CO-HARD PLUNGER
	3	08-412-029	3-1/2 CO-HARD PLUNGER
	3	08-412-136	3-5/8 CO-HARD PLUNGER
	3	08-412-030	3-3/4 CO-HARD PLUNGER
	3	08-412-031	4" CO-HARD PLUNGER
	3	08-412-032	4-1/4 CO-HARD PLUNGER
	3	08-412-046	4-1/2 CO-HARD PLUNGER
	3	08-412-097	3" CERAMIC PLUNGER
	3	08-400-425	3-1/8 CERAMIC PLUNGER
	3	08-412-098	3-1/4 CERAMIC PLUNGER
	3	08-412-100	3-1/2 CERAMIC PLUNGER
	3	08-400-426	3-5/8 CERAMIC PLUNGER
	3	08-412-101	3-3/4 CERAMIC PLUNGER
	3	08-412-102	4" CERAMIC PLUNGER
	3	08-412-103	4-1/4 CERAMIC PLUNGER
	3	08-412-104	4-1/2 CERAMIC PLUNGER
25	3	08-441-026	ROD, PLUNGER EXTENSION
26	3	08-441-027	BAFFLE, FLUID
	3	99-094-087	CLAMP
27	, ,	1 00.004.001	

^{*} INCLUDES ITEMS 2, 3,4, 5, 7 & 8 ALSO 24 OF ITEM 6.



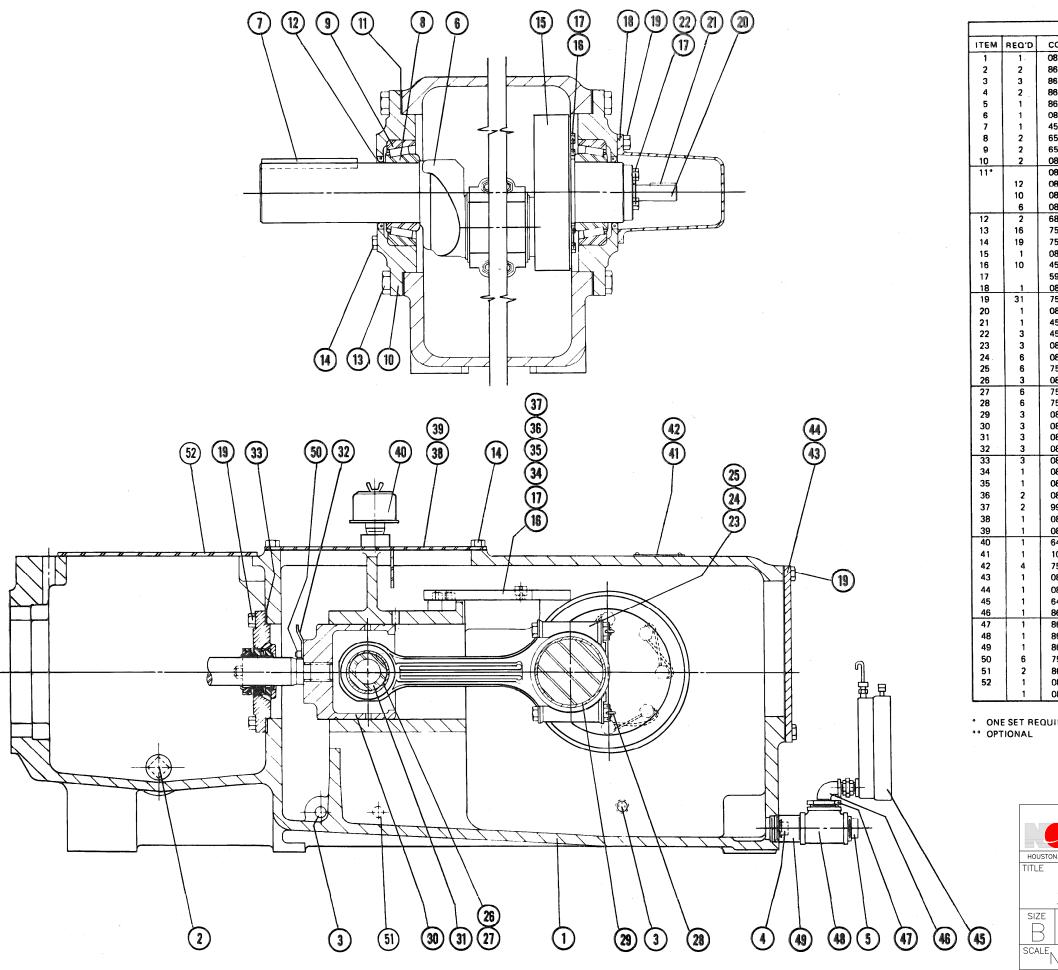


FK—P4 SIZE 400 F/ 3" TO 4-1/2 PLUNGER RANGE

	BILL OF MATERIAL						
ITEM	ITEM REQ'D. COMM. NO. DESCRIPTION						
_	6	08-496-269	VALVE ASSEMBLY COMPLETE				
1	6	08-422-021	1/2 - 13 X 2-1/2 NYLOK CAPSCREW (MONEL)				
2	6	08-416-091	VALVE GUARD (S.S.)				
3	6	08-416-089	VALVE SPRING (INCONEL)				
4	6	08-416-053	VALVE SLEEVE (S.S.)				
5	6	08-416-078	YALYE DISC (DELRIN)				
6	6	08-422-050	VALVE SEAT (S.S.)				

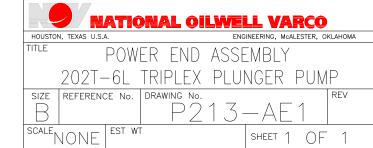
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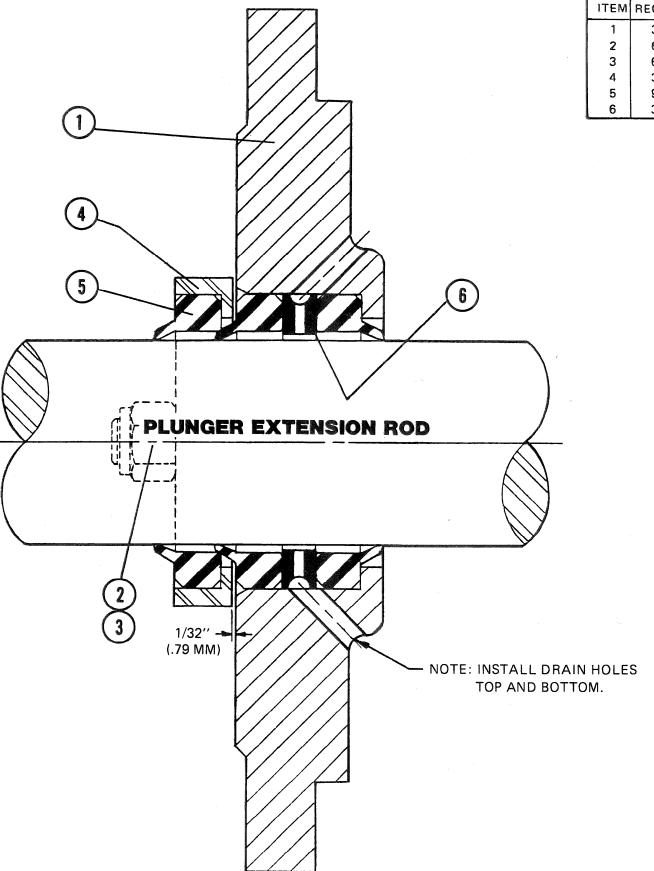




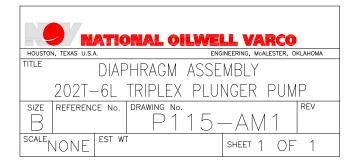
			BILL OF MATERIAL
ITEM	REQ'D	COMM NO	DESCRIPTION
1	1.	08 804 034	POWER END (INCLS. ITEM 2,3,4 &51)
2	2	86-486-116	2" C.I. SOLID SQ HD PIPE PLUG
3	3	86 485 508	1" C.I. SOLID SQ HD PIPE PLUG
4	2	86-486-106	3/4 C.I. SOLID SQ HD PIPE PLUG
5	1	86-485-512	1-1/2 C.I. SOLID SQ HD PIPE PLUG
6	1	08-804-006	CRANKSHAFT
7	'	45-802-849	KEY (3:4 X 1" X 7-1/2)
8	2	65-011-530	BEARING CONE
9	2	65-014-008	BEARING CUP
10	2	08-804-009	HOUSING, BEARING SHIM SET (2 REQ'D) CONSISTS OF THE FOLLOWING *
11*		08-804-017	1
	12	08-804-018	SHIM (.005" THK.)
	10	08-804-019	SHIM (.007" THK.)
	6	08-804-020	SHIM (.020" THK.)
12	2	68-630-575	OIL SEAL
13	16	75-634-400	7'8-9 X 2" HEX HD HT CAPSCREW
14	19	75-634-415	1/2-13 X 3/4 HEX HD HT CAPSCREW
15	1	08-442-003	OIL RING
16	10	45-143-001	1/2-13 X 3/4 DRLD HEX HD HT CAPSCREW
17		59-800-016	16 GA ANNEALED STL WIRE
18	1	08-727-008	COVER, SHAFT
19	31	75-634-351	1/2-13 X 1-1/4 HEX HD HT CAPSCREW
20	1	08-442-004	SHAFT, STUB
21	1	45-802-752	KEY (1/4 X 1/4 X 2-1/8)
22	3	45-143-500	5/8-11 DRLD HEX HD HT CAPSCREW
23	3	08-804-007	CONNECTING ROD (INCLS. ITEMS 24, 25 & 26)
24	6	08-804-008	5/8-18 X 5-7/8 CONNECTING ROD BOLT
25	6	75-513-109	5/8-18 SLOTTED HEX NUT
26	3	08-804-002	BUSHING, CROSSHEAD PIN
27	6	75 660 003	RETAINING RING
28	6	75-102-005	1/8 X 1-1/2 STL COTTER
29	3	08-804-003	BEARING (TWO HALVES), CRANKPIN
30	3	08-804-003	CROSSHEAD
31	3	08-017-706	PIN, CROSSHEAD
	3		l '
32		08-412-170	PLATE, CROSSHEAD BAFFLE
33	3	08 466 001	GASKET
34	1	08-804-004	SCRAPER (L.H.), OIL
35	1 1	08-804-005	SCRAPER (R.H.), OIL
36	2	08-800-283	
37	2	99-000-525	MAGNET
38	1	08-427-049	COVER, TOP FRAME
39	1	08-427-050	GASKET, TOP FRAME COVER
40	-1	64-229-100	1-1/2 AIR BREATHER
41	1	10-300-240	PLATE, OIL SPECIFICATION
42	4	75 632 012	No. 2 X 1/4 TYPE U CAD PLTD. STL DRIVE SCREW
43	1	08-017-008	PLATE, (OILWELL) FRAME END
44	1	08-017-024	GASKET, FRAME END
45	i	64-661-271	SAFETY SWITCH
46	1	86-342-104	1/2 X 90° 150#BLK MI STREET ELBOW
47	1	86-061-025	1-1/2 X 1/2 C.I. STD BLK HEX PIPE BUSHING
48	1	1	
1	1 1	86-543-112	1.1/2 150#MI PIPE TEE
49	1	86-428-010	1-1/2X 3" SCH 80 BW STL PIPE NIPPLE
50	6	75-635-623	1/2-13 X 3/4 SKT HD HT SELF-LOCKING CAPSCREW
51	2	86-486-464	1" COUNTERSUNK PIPE PLUG
52	1 1	08-804-118	COVER (STEEL), CRADLE
l	1	08-804-119	COVER (PLEXIGLASS), CRADLE**

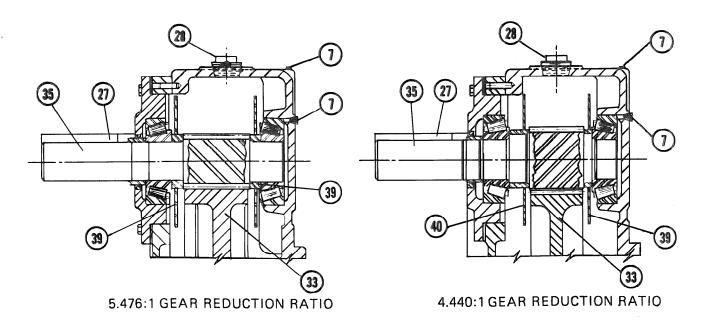
* ONE SET REQUIRED WHEN GEAR REDUCER IS FURNISHED.
** OPTIONAL





	BILL OF MATERIAL						
ITEM	REQ'D	COMM NO	DESCRIPTION				
1	3	08-466-010	DIAPHRAGM HOUSING (INCLS . ITEMS 2 & 3)				
2	6	75-509-994	1/2-13 HEX STL LOCKNUT				
3	6	49-002-925	1/2-13 X 2" STUD				
4	3	08-467-006	GLAND, DIAPHRAGM				
5	9	08-466-012	WIPER, ROD				
6	3	08-411-016	RING, LANTERN				





	BILL OF MATERIAL				
ITEM	REQ'D	COMM NO	DESCRIPTION		
1	1	08-804-092	GEAR CASE (INCLS. ITEMS 2, 3, 4 & 7)		
2	1 1	86-486-124	3" C.I. SOLID SQ HD PIPE PLUG		
3	13	75-635-043	1/2-13 X 2-1/4 HEX HD HT CAPSCREW		
4	2	45-804-110	1/2 X 1-7/8 DOWEL PIN		
5	4	75-634-326	1/2-13 X 3-1/4 HEX HD HT CAPSCREW		
6	4	75-634-352	1/2-13 X 1-1/2 HEX HD HT CAPSCREW		
7	10	86-486-456	1/4 COUNTERSUNK PIPE PLUG		
8	2	86-486-108	1" C.I. SOLID SQ HD PIPE PLUG		
9	1	08-804-105	SPACER, GEAR		
10	4	86-485-506	3/4 C.I. SOLID SQ HD PIPE PLUG		
11	4	86-485-512	1-1/2 C.I. SOLID SQ HD PIPE PLUG		
12	1 1	16-527-136	MAGNET ASSEMBLY		
13	1	86-061-050	3" X 1-1/2 CI STD BLK HEX PIPE BUSHING		
14	1	64-229-100	1-1/2 AIR BREATHER		
15	1 1	08-804-011	HOUSING, PINION BEARING		
16		08-804-013	SHIM SET (1 REQ'D) CONSISTS OF THE FOLLOWING		
	6	08-804-014	SHIM (.005" THK)		
1	5	08-804-015	SHIM (.007" THK)		
	3	08-804-016	SHIM (.020" THK)		
17	1	68-630-507	OIL SEAL		
18	1	08-804-021	RING, OIL SEAL WEAR		
19	2	65-013-228	CUP, BEARING		
20	2	65-010-521	CONE, BEARING		
21	1	08-802-026	PLATE, REATAINER		
22	1	75-635-178	1-1/4 8 X 2" HEX HD HT CAPSCREW		
23	1	75-770-480	1-1/4 EXT SHAKEPROOF LOCKWASHER		
24	1	45-804-236	GASKET		
25	2	68-630-665	OIL SEAL		
26	1	45-804-194	KEY (1" X 3/4 X 6-1/4)		
27	1	45-122-603	KEY (7/8 X 7/8 X 6-1/2)		
28	1	86-486-120	2-1/2 C.I. SOLID SQ HEAD PIPE PLUG		
29	- 8	45-142-603	7/8-9 X 2" DRLD HEX HD HT CAPSCREW		
30		59-800-016	16 GA ANNEALED STL WIRE		
31	1	86-424-001	1/2 X CLOSE SCH 40 BW STL PIPE NIPPLE		
32	1	86-061-010	3/4 X 1/2 C.I. STD BLK HEX PIPE BUSHING		

		1.588:1 GEAF	R REDUCTION RATIO
33	1	08-275-000	GEAR (81 TEETH)
34	1	06-109-009	GAUGE, OIL
35	1	08-804-023	SHAFT, PINION
36	1	45-802-738	KEY (1/2 X 3/4 X 4-1/2)
37	1	08-804-026	PINION (51 TEETH)
38	1	08-804-106	SPACER
39	1,	08-804-094	SPACER
40	1	08-804-095	SPACER

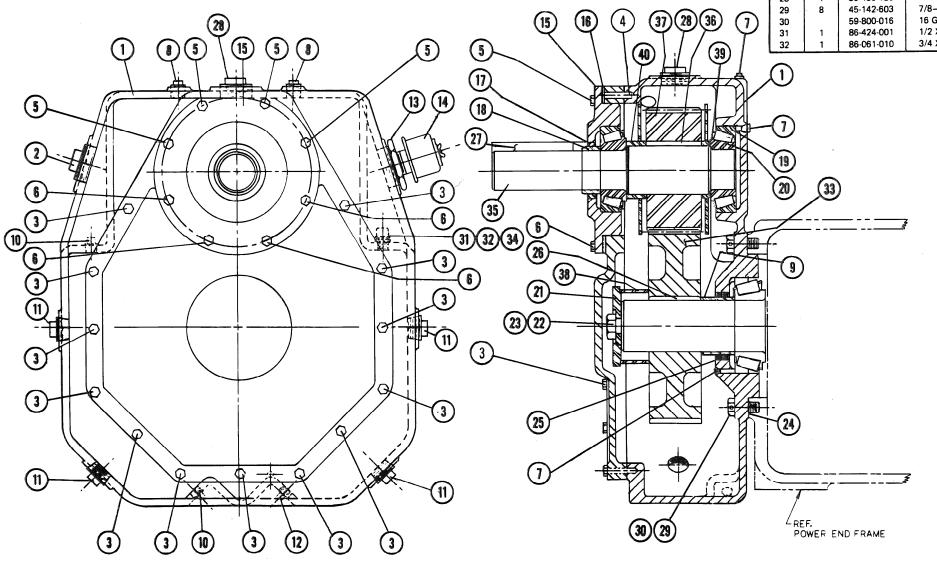
1.775:1 GEAR REDUCTION RATIO					
1	08-018-052	GEAR (87 TEETH)			
1	06-109-009	GAUGE, OIL			
1	08-804-023	SHAFT, PINION			
1	45-802-738	KEY (1/2 X 3/4 X 4-1/2)			
1	45-804-028	PINION (49 TEETH)			
1	08-804-106	SPACER			
1	08-804-094	SPACER			
1	08-804-095	SPACER			
	1 1 1 1 1 1 1 1 1	1 08-018-052 1 06-109-009 1 08-804-023 1 45-802-738 1 45-804-028 1 08-804-106 1 08-804-094	1 08-018-052 GEAR (87 TEETH) 1 06-109-009 GAUGE, OIL 1 08-804-023 SHAFT, PINION 1 45-802-738 KEY (1/2 × 3/4 × 4-1/2) 1 45-804-028 PINION (49 TEETH) 1 08-804-106 SPACER 1 08-804-094 SPACER		

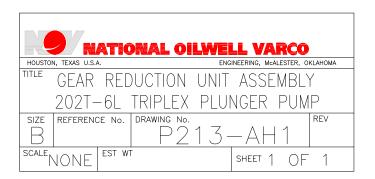
		2.487:1 GEAF	R REDUCTION RATIO
33	1	08-275-004	GEAR (97 TEETH)
34	1	06-009-373	GAUGE, OIL
35	1	08-804-023	SHAFT, PINION
36	1	45-802-738	KEY (1/2 X 3/4 X 4-1/2)
37	1	45-804-027	PINION (39 TEETH)
38	1	08-804-106	SPACER
39	1	08-804-094	SPACER
40	1	08-804-095	SPACER

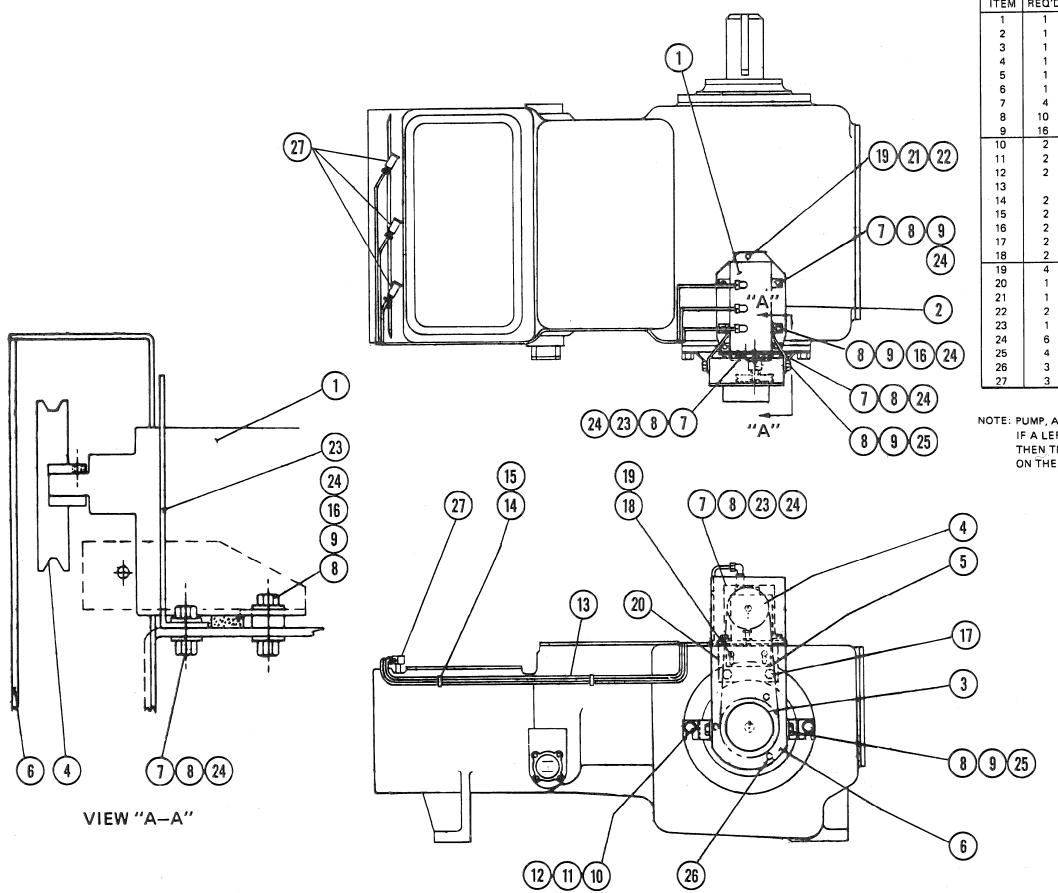
į .	3.121:1 GEAR REDUCTION RATIO						
33	1	08-017-420	GEAR (103 TEETH)				
34	1	06-009-365	GAUGE, OIL				
35	1	08-804-023	SHAFT, PINION				
36	1	45-802-738	KEY (1/2 X 3/4 X 4-1/2)				
37	1	08 804 029	PINION (33 TEETH)				
38	1	08-804-106	SPACER				
39	1	08-804-094	SPACER	_			
40	1	08-804-095	SPACER				

	-	4.440:1 GEAR	REDUCTION RATIO
33	1	08-275-091	GEAR (111 TEETH)
34	1	45-804-280	GAUGE, OIL
35	1	08-804-096	PINION SHAFT W/INTEGRAL PINION (25 TEETH)
38	1	08-804-106	SPACER
39	1	08-804-094	SPACER
40	1	08-804-095	SPACER

	5.476:1 GEAR REDUCTION RATIO						
33	1	08-018-341	GEAR (115 TEETH)				
34	1	45 804 280	GAUGE, OIL				
35	1	08-804-097	PINION SHAFT W/INTEGRAL PINION (21 TEETH)				
38	1	08-804-107	SPACER				
39	2	08-804-093	SPACER				







DULL OF MATERIAL			
BILL OF MATERIAL			
ITEM	REQ'D	COMM NO	DESCRIPTION
1	1	08-285-029	3-FEED LUBRICATOR (INCLS. ITEM 27)
2	1	08-485-028	PLATE, LUBRICATOR MOUNTING
3	1	68-640-250	6.7 P.D. 1-A SECTION DRIVE SHEAVE
4	1	68-650-431	5" P.D. 1-A SECTION LUBRICATOR SHEAVE
5	1	68-020-048	A-48 V-BELT
6	1	08-485-041	GUARD, LUBRICATOR BELT
7	4	75-633-740	3/8-16 X 1-1/4 HEX HD HT CAPSCREW
8	10	75-770-472	3/8 EXT. SHAKEPROOF LOCKWASHER
9	16	75-770-203	3/8 PLATE WASHER
10	2	75-635-063	7/8-9 X 7/8 HEX HD HT CAPSCREW
11	2	75-770-477	7/8 EXT. SHAKEPROOF LOCKWASHER
12	2	75-770-207	7/8 PLATE WASHER
13		64-699-208	1/4 O.D. COPPER TUBING (.049" THK. WALL)
14	2	64-228-265	TUBING CLIP
15	2	75-634-875	1/4-20 X 1/2 RD. HD MACHINE SCREW
16	2	75-634-342	3/8-16 X 1-1/2 HEX HD HT CAPSCREW
17	2	75-634-403	7/8-9 X 2-1/4 HEX HD HT CAPSCREW
18	2	75-634-351	1/2-13 X 1-1/4 HEX HD HT CAPSCREW
19	4	75-770-204	1/2 PLATE WASHER
20	1	08-485-034	SUPPORT, LUBRICATOR
21	1	75-634533	1/2-13 X 3" SQ HD CUP POINT SETSCREW
22	2	75-510-506	1/2-13 HEX HD JAM NUT
23	1	08-627-039	COVER, LUBRICATOR
24	6	75-510-404	3/8-16 HEX NUT
25	4	75-634-313	3/8-16 X 3/4 HEX HD HT CAPSCREW
26	3	75-634-415	1/2-13 X 3/4 HEX HD HT CAPSCREW
27	3	64-438-895	1/8 MPT X 1/4 T ANGLE CHECK VALVE

NOTE: PUMP, AS SHOWN, IS FOR RIGHT HAND DRIVE.

IF A LEFT HAND DRIVE PUMP IS ORDERED

THEN THE LUBRICATOR WOULD BE MOUNTED

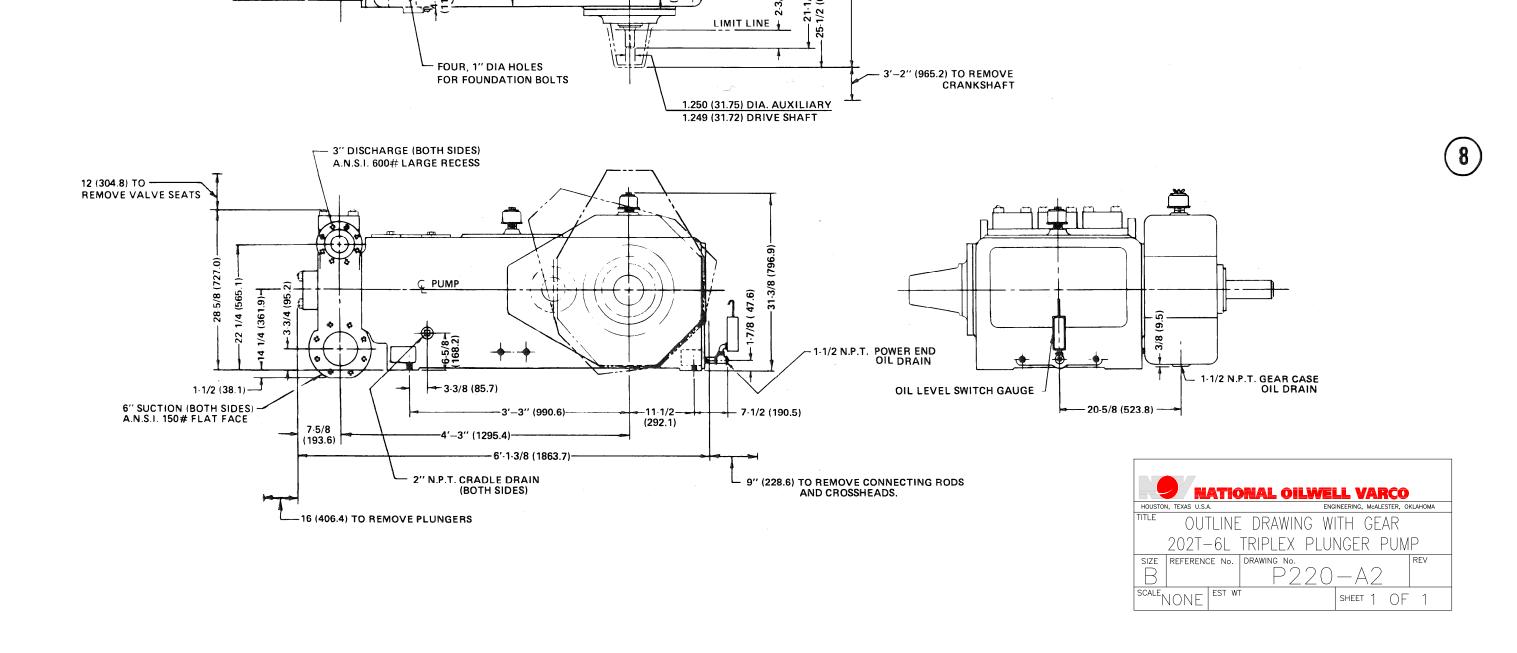
ON THE OPPOSITE SIDE.



B P 150-AD1 SHEET 1 OF 1

6

PUMP, AS SHOWN, IS FOR RIGHT HAND DRIVE. LEFT HAND DRIVE IS OPPOSITE THAT SHOWN.



LIMIT LINE

4" "4" 15 (304.8

29-5/8 (752.4)

KEYWAY 7/8 (22.2) WIDE X 7/16 (11.11) DEEP KEY 7/8 (22.2) X 7/8 (22.2) X 6-1/2 (165.1) LG.

27 (685.8) FACE OF — SUCTION AND DISCHARGE

3.438 (87.3) DIA. 13-5/8 (346.0) --

24 (609.6) - (228.6)

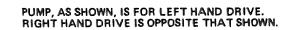
PUMP

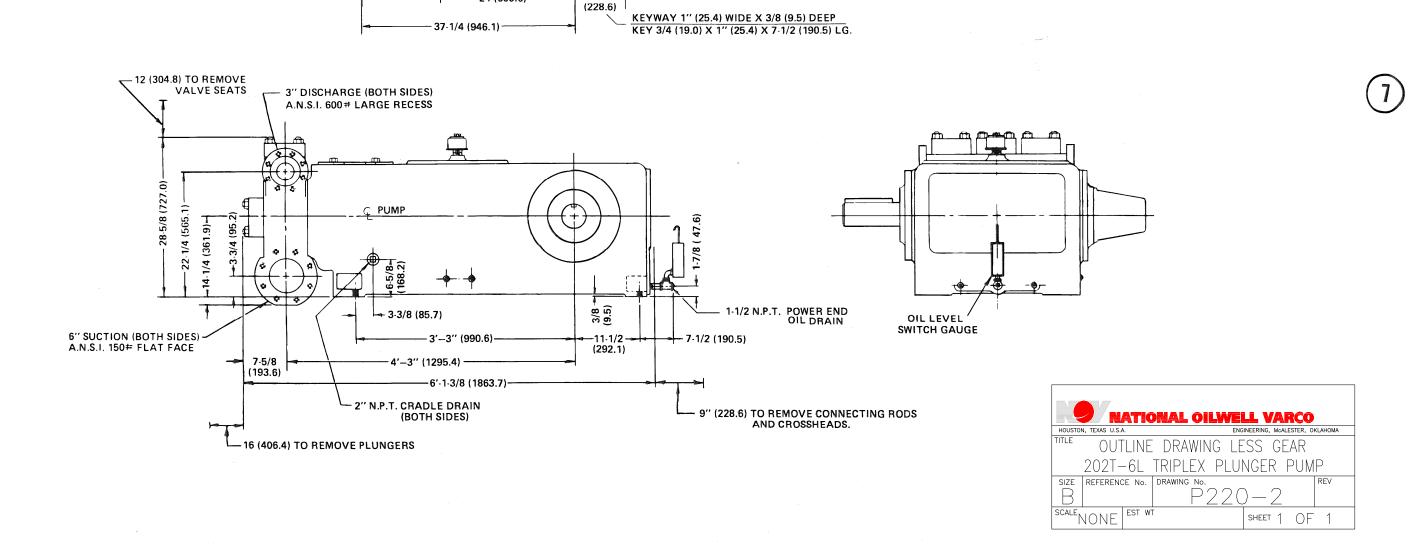
2-1/2 --

(63.5)

10 (254.0)-

(139,7) (139,7) (139,7)





1.250 (31.75)DIA AUXILIARY 1.249 (31.72) DRIVE SHAFT

-21-1/4 (539.7)——25-1/2 (647.7)—

LIMIT LINE

LIMIT LINE

-4.495 (114.17) 4.494 (114.14) DIA.

(1.203.2) (1.01.6)

FOUR, 1" DIA HOLES

<u>-</u> 4-1/2 (114.3)

-10 (254.0)

710

5-1/2 0 (139,7) 45 (2,7) 55

27 (685.8) FACE OF suction and discharge

13.1/2-(342.9)

FOR FOUNDATION BOLTS

PUMP

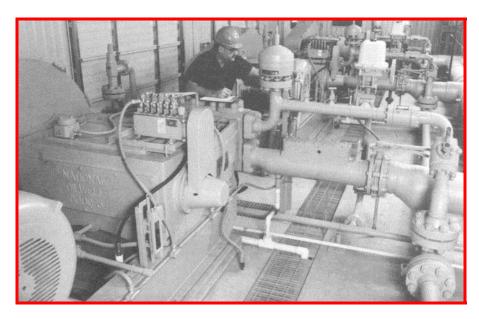
← 2·1/2 (63.5)

- 24 (609.6)

-3'-2" (965.2) TO REMOVE

CRANKSHAFT





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