



### HT400 HYDROTEST PUMP SPECIFICATIONS

Pump Maximum operating pressure	10,000 PSI (689BAR)		
Pump Maximum volumetric flow rate	10BBL/min (1,589 L/min) No Pressure		
Fluid End Connection	4" WECO Fig 100		
Discharge Outlet Connection	2" 1502 WECO		
Pressure Relief Valve	3" PRV (0 to 10000psi)		
ENGINE POWER DRIVE		TRIPLEX PUMP	
Model	GM 8-V-71 N, Series	Pump type	Triplex Halliburton HT400
Engine Type	GM Detroit Diesel	Reference Number	EW 064
Engine Serial Number	8VA, 483869	Pump Frame Number	6200
Engine Horse Power	318 hp @ 2,100 rpm	Plunger size (Inch)	4-1/2"
Transmission	Allison 750 DR.Wet Type Transmission	Plunger Stroke (Inch)	8
Transmission S/N	STS 19-1012	Pump Gear Ratio	8. 6-1
Injectors	N-70	Pump Drive	L H
Starting System	Air start	Plunger Packing	Chevron Short Stack
Fuel Capacity	70 Gallons	Filters	Schroeder K-25 EA. Elements
GENERAL			
Skid Dimension (L mm x W mm x H mm)	5740 x 1371 x 2260		
Weight (kg)	7165		
No of Unit	1		

OCS owned HT400 pump is skid mounted pumping unit, which is used for hydro static testing of subsea pipelines. The HT400 pump is a high pressure pump with a maximum operating pressure of 10,000psi (689 bar). This pump is a normal used for hydrostatic testing of long and larger diameter pipelines where high volumetric flow rate is required.

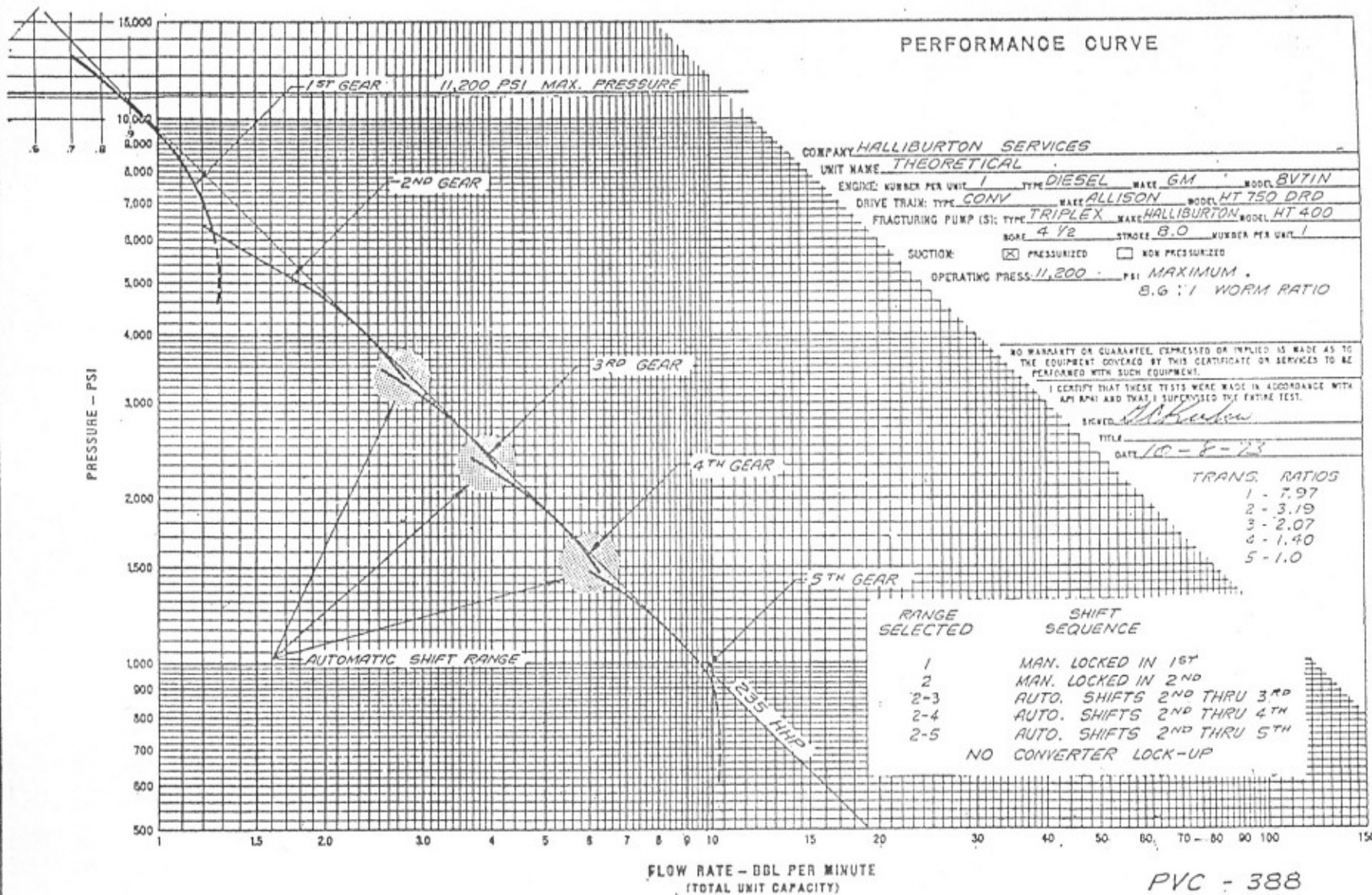
OCS has a Preventive maintenance Software for individual Engines, Fluid Ends and Skids which must be reviewed before each project to assess the status.

It is important to regularly review the list of critical spare parts of the equipment before each project. Common problems occur in these units during the operation include:

- Problem with Drive coupling between Engine and Fluid End.
- Pump impellers and internals.
- Pump Seals and Bearings.

Where failures occur during operations Equipment bulletins will be issued to document the problem and the remediation solutions applied. The equipment bulletin will be circulated to all field engineers to be informed about the possible failure that can occur during the operation and thereby avoid future failure.

PERFORMANCE CURVE



COMPANY HALLIBURTON SERVICES  
 UNIT NAME THEORETICAL  
 ENGINE: NUMBER PER UNIT 1 TYPE DIESEL MAKE GM MODEL BVTIN  
 DRIVE TRAIN: TYPE CONV MAKE ALLISON MODEL HT 750 DRD  
 FRACTURING PUMP (S): TYPE TRIPLEX MAKE HALLIBURTON MODEL HT 400  
 BORE 4 1/2 STROKES 8.0 NUMBER PER UNIT 1  
 SUCTION:  PRESSURIZED  NON PRESSURIZED  
 OPERATING PRESS. 11,200 PSI MAXIMUM.  
8.6 : 1 WORM RATIO

NO WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED IS MADE AS TO THE EQUIPMENT COVERED BY THIS CERTIFICATE OF SERVICES TO BE PERFORMED WITH SUCH EQUIPMENT.

I CERTIFY THAT THESE TESTS WERE MADE IN ACCORDANCE WITH API RP41 AND THAT I SUPERVISED THE ENTIRE TEST.

SIGNED [Signature]

TITLE

DATE 10-8-28

TRANS. RATIOS

- 1 - 7.97
- 2 - 3.19
- 3 - 2.07
- 4 - 1.40
- 5 - 1.0

RANGE SELECTED      SHIFT SEQUENCE

- 1      MAN. LOCKED IN 1<sup>ST</sup>
  - 2      MAN. LOCKED IN 2<sup>ND</sup>
  - 2-3    AUTO. SHIFTS 2<sup>ND</sup> THRU 3<sup>RD</sup>
  - 2-4    AUTO. SHIFTS 2<sup>ND</sup> THRU 4<sup>TH</sup>
  - 2-5    AUTO. SHIFTS 2<sup>ND</sup> THRU 5<sup>TH</sup>
- NO CONVERTER LOCK-UP

PVC - 388

