

ELLC - COMPANY - - ENGINEERING PARTMENT

Record Descriptive Specifications - Turbine

Turbine No. 13446, 13447, 13448 Gear No. —

Purchased By OKLAHOMA A&M COLLEGE, STILLWATER, OKLA.

For OKLAHOMA A&M COLLEGE, STILLWATER, OKLA.

S.O. 7180 A B, #3

E-147599

Date 11/17/47

H.P. St. Conn. 8" L.H.
L.P. St. Conn. —
Exh. Conn. 36" DOWN
Extrac. Conn. 10" DOWN
Steam Strainer 8" C.S. Leslie
Shaft Size 7 1/4"
St. End Pkg. Laby. & Huhn
Diaph. Pkg. Laby.
Exh. End Pkg. Laby.
Superheat Parts YES

Governor OIL RELAY
Speed Changer MOTOR & HAND
Emerg. Gov. YES
Trip Mech. OIL
Low Oil Pr. Trip YES (ONTET)
Thrust Brg. 12.9 in. KINGS.
St. End Brg. Pedestal
Exh. End Brg. Cradle
Water Cooled Brgs. —

Valve Sizes (Order of opening)	
Inlet	Extraction
1. 1 1/16	1. —
2. 1 1/4	2. —
3. 1 1/4	3. —
4. 1 5/8	4. —
5. 2 1/16	5. —
6. 2 1/16	6. —
7. —	7. —
Hand Valves	
Valve location on nozzle sheet	

Name Plate Rating
Type 2 QV 8
Kw: 1500
R.p.m. 3600
St. Press. 250 psig
St. Temp. 600 °F.
Exh. Press. — psig
Exh. Vac. 2 In. Hg. Abs.
Extrac. Press. 50 psig
Rotation R.H.

Instruction Books - Special —

Special Construction

Thermometer wells in main brg. drains & in oil inlet & outlet to cool.
Nugent #1280A oil Filter for 25% of lube oil
flow complete with valves and automatic by-pass.
Steam supply & exhaust gate valves on auxiliary oil pump.
Steam header below floor - throttle valve below floor mounted
Taps at each pressure stage on one turbine only
(7180-A), and include nipples & valves.
C.S. steam end, C.I. exhaust end. Turbine to be suitable
for 400# - 750° F.T.T. Furnish gage piping for gages on panel.
No foundation bolts, but furnish chock blocks & shims.

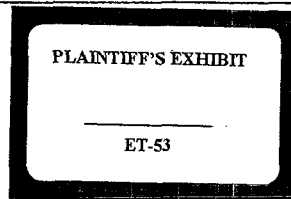
Gears	Size	B.H.P.	Ratio	Speeds
Baseplate	Soleplates	Soleplates		
Couplings	H.S. #4 Pools Cont. Lub.			
Oil System	Pump Size 6.25	Gal./100r.p.m. Driven From Gov.	L.S. —	Piping Material Class 2
Oil Tank	200 gal.	Oil Strainer 2" Elliott twin		F.F. Turbine Brgs. Yes
Oil Cooler	B&G OC5-86	Auxiliary Pump Turbo-1/2" Imp.		F.F. Driven Mach. Brgs. Yes

Driven Machine

1500 H.P. 80 R.P. 3/60/2400/1160 3600 R.P.M. E.30. A.H. #20 KW E.C.

Auxiliary Apparatus

2 EE D" Spools



ET-00312