

ENGINEERING DEPARTMENT

Record Descriptive Specifications - Turbine

Turbine No. 13753, 13754 Gear No. None
 Purchased By Ingersoll-Rand Co., Phillipsburg, N.J.
 For Oklahoma A & M College, Stillwater, Okla

S.O. 40209
 E- 153422
 Date 3-30-48

H.P. St. Conn. 2" R.H.
 L.P. St. Conn. None
 Exh. Conn. 6" L.H.
 Extrac. Conn. None
 Steam Strainer Built-in
 Shaft Size 2-1/4" Dia.
 St. End Pkg. 4 rings
 Diaph. Pkg. None
 Exh. End Pkg. 4 rings
 Superheat Parts yes

Governor. Std. (Small)
 Speed Changer None
 Emerg. Gov. Yes
 Trip Mech. Std.
 Low Oil Pr. Trip None
 Thrust Brg. Ball
 St. End Brg. Bracket
 Exh. End Brg. Pedestal
 Water Cooled Brgs. Yes

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

Name Plate Rating
 Type 2AYR
 Hp. 95
 R.p.m. 3500
 St. Press. 250 psig
 St. Temp. 600 °F.
 Exh. Press. 10 psig
 Exh. Vac. - In. Hg. Ab
 Extrac. Press. - psig
 Rotation R.E.

Instruction Books - Special or No.
 Special Construction

6190 RPM Max. trip - Rotor Assembly
 4050 RPM Trip
 H.V. for 71 hp.
 Fisher Built-in excess pressure regulator for 70# excess
 Pressure and 320# G pump discharge pr.
 Cast Steel steam end & steam chest for 600° F
 Insulation & Painted lagging.

Outline-612921

Gears	Size None	B.H.P.	Ratio	Speeds
Baseplate	None	Soleplates		
Couplings	H.S. Not furnished		L.S.	
Oil System	Pump Size	Gal./100r.p.m. Driven From		Piping Material
Oil Tank	Ring oiled	Oil Strainer		F.F. Turbine Brgs.
Oil Cooler		Auxiliary Pump		F.F. Driven Mach. Brgs.

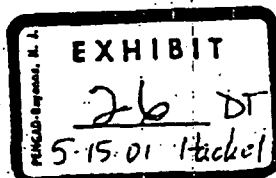
Driven Machine

Pump (Not furnished)

Auxiliary Apparatus

2 - 444 Fisher Regulator Topworks P.O. #39612

Copies



Spec.
 Turb.Eng.
 Turb.Sales
 2AYR Turb.

ET-00376