

ENGINEERING DEPARTMENT

Record Descriptive Specifications - Turbine

Turbine No. **18798**
 Purchased By **Girdler Co., Louisville, Ky.**
 For **Northern Chemical Ind., Searsport, Me.**

Gear No.

S.O. 7402

E. 23231

Date 8/9/54

H.P. St. Conn. 8" L.H.	Governor "V" Gov. Mt Brg. Case	Valve Sizes (Order of opening)		Name Plate Rating	
		Inlet	Extraction		
L.P. St. Conn. None	Speed Changer Hand & Motor	1. 2-1/2"	1. 2-1/2"	Type 2 NC-13	
Exh. Conn. 72" DOWN	Emerg. Gov. Yes	2. 2-1/2"	2. 2-1/2"	Hp-Kw: 7500	
Extrac. Conn. See below	Trip Mech. Oil	3. 1-5/8"	3. 1-5/8"	R.p.m. 3600	
Steam Strainer 3" BUILT-IN	Low Oil Pr. Trip Yes	4. 1-5/8"	4. 1-5/8"	St. Press. 400 psig	
Shaft Size 11-1/2"	Thrust Brg. Kingsbury (36 in ²)	5. 1-5/8"	5. 1-5/8"	St. Temp. 750 °F.	
St. End Pkg. Laby.	St. End Brg. Pedestal	6. 1-5/8"	6. 1-5/8"	Exh. Press. -- psig	
Diaph. Pkg. Laby.	Exh. End Brg. Cradle	7. 2-1/2"	7. 2-1/2"	Exh. Vse. 2 in. Hg. Abs.	
Exh. End Pkg. Huhn. & Laby	Water Cooled Brgs. None	Hand Valves		Extrac. Press. -- psig	
Superheat Parts Yes		Valve location on nozzle sheet		Rotation RH	

Instruction Books - Special order

Special Construction

Aux. Oil Pump - 400# - 750°F TT
 Gland Seal Ejector - 400# - 750°F TT

Painting Requirements: Std. PS 401

Shipping Preparation: Std. Class A, SP-109 Gr. 2 Slushing, SP-501

Gears --	Size --	B.H.P. --	Ratio --	Speeds --
Baseplate	--	Soleplates Yes		
Couplings	H.S. #8 Solid bored to 6-1/4" (72" Exh.)	L.S. None		
Oil System	Pump Size Centrifugal/Gal./100 r.p.m. Driven From Gov. Gear Piping Material Class I			
Oil Tank	500 Gal. 5" ELLIPTICAL TWIN Oil Strainer 2" & 3" Cuno	F.F. Turbine Brgs. Yes		
Oil Cooler	005-126 (Twin)	Auxiliary Pump 3/4" Imp. - turbo F.F. Driven Mach. Brgs. Yes		

Driven Machine
 7500 KW .80 P.F. 3/60/2 4160V 3600 RPM Gen.
 50 KW .25 3600 RPM Exciter ?

Auxiliary Apparatus

Centrifugal pump 2260 RPM
 Turbine exciter 3600 RPM