



15625 Kw Back pressure steam turbine generator set

15625 KW, GE, Inlet steam: 950 Psig/900 deg F, 350,000 lbs/hr Auto Extraction 150 psig, 0-250,000 lbs/hr, exhaust steam: 20-40 psig, steam rate: 15.36 lbs/kwh, at zero extraction flow: 240,000 lbs/hr. 3600 rpm, Serial number: 173272, Inlet size: 10", Extraction size: 18" down, Exhaust size: 24 "down

Generator: GE air to water cooled, 24063 kva, 13800 v, 3 phase, 60 hz. 3600 rpm. Serial number: 5268420

Scope of supply

- Turbine generator
- Air to water coolers (mounted underneath of generator)
- Lube oil tank with lube oil cooler dc pump and ac pump.
- Lube oil conditioning skid
- Gland steam system
- All lube oil piping
- Gland steam piping
- Main steam stop valve
- Main steam pipe from stop valve to turbine flange
- Wood ward 505e governor cabinet
- Bently Nevada 3500 series vibration monitoring cabinet
- Static exciter
- Generator breaker and protection relays
- Extraction NRV and safety valves
- Exhaust safety valves
- Exhaust line expansion joint
- Neutral ground resister
- MCC and Dc motor starter for lube oil pump
- Generator terminal box with surge arrester and capacitor ct's, pt's
- Sole plates
- All available drawings, manuals and spare parts, tools

Built 1965 shutdown 2014, last major overhaul and turbine replaced with new rotor 2009. Still installed



