



72690 kw GE SCSF DOUBLE AUTOMATIC EXTRACTION CONDENSING STEAM TURBINE GENERATOR SET

STEAM TURBINE:

Manufacturer: General Electric
Turbine number: 198045
Inlet steam: 950 psig/900 °F
Exhaust steam: 1.5" Hga
Maximum inlet steam flow: 700,000 lbs/hr
Automatic Extraction steam:
 Pressure Flow Flange size
 160 psig (176-144 psig) 0 – 600,000 lbs/hr 14"
 45 psig (55-35 psig) 0 – 500,000 lbs/hr 30"
Straight condensing steam flow: 395,000 lbs/hr , 50,000 kw
Steam rate at zero extraction: 7.9 lbs/kwh
Number of stages: 16
Speed: 3600 rpm

GENERATOR:

Manufacturer: General Electric, Hydrogen cooled
Serial Number: 316X702
Rating: 86,600 KVA
Voltage: 13800 v/3/60 hz
PF: 0.85
Exciter: Static 342 v
Speed: 3600 rpm

CONDENSER:

Manufacturer: Graham, two pass
Surface area: 39,240 Sq ft
Cooling water inlet/outlet: 65/85 °F
Cooling water flow: 37,500 gpm
Tubes: ¾" – 18 BWG, 70/30 Cu-Ni, 5,710 tubes

SCOPE OF SUPPLY

Steam Turbine generator
Inlet stop valve
Lube oil system
Control oil system
In line Oil centrifuge
Gland steam condenser
Hydrogen system
Condenser
Air ejector
Condensate extraction pump with motor
Generator terminal box and surge arrester and capacitor
Neutral Ground resister
Extraction NRVs
Sole plates

NSV Energy LLC
35 Hickory Springs Industrial Drive
Canton GA 30115

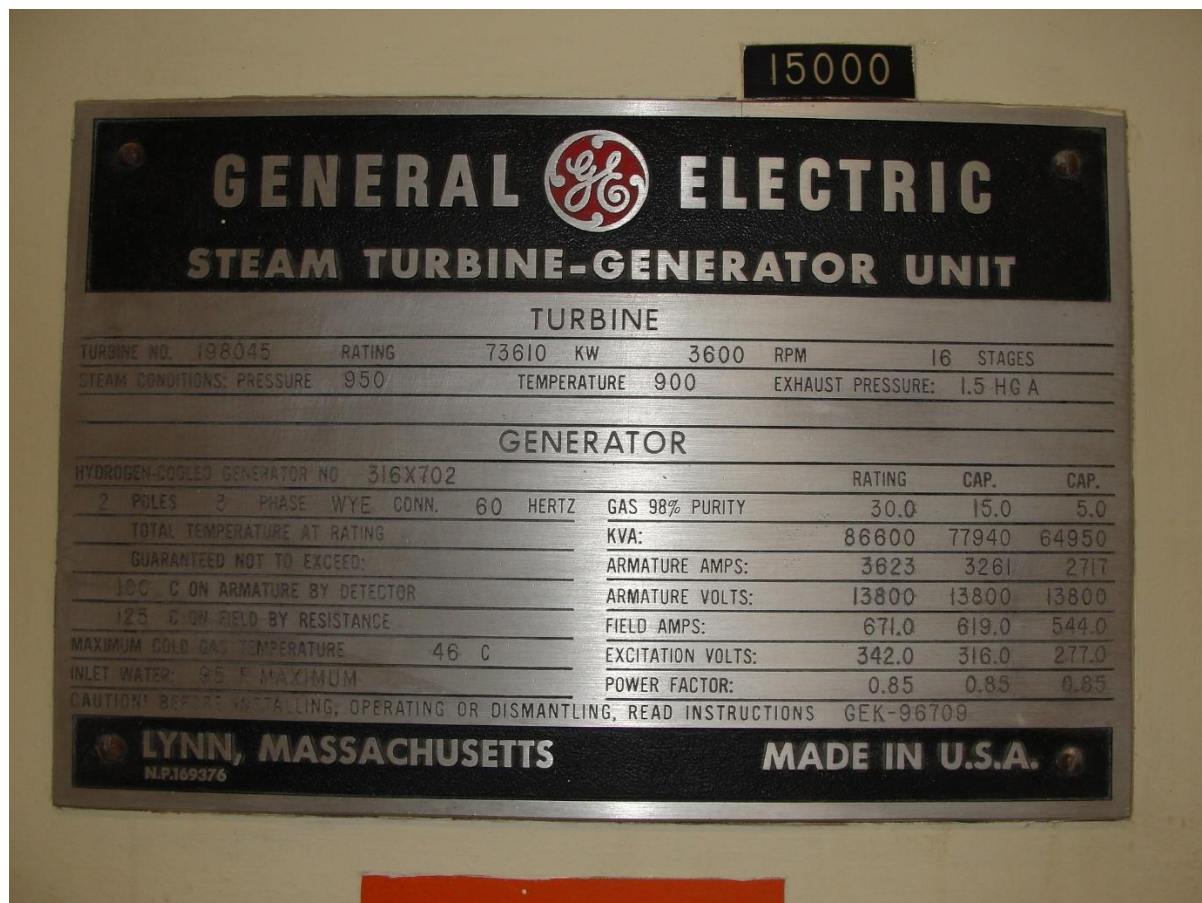


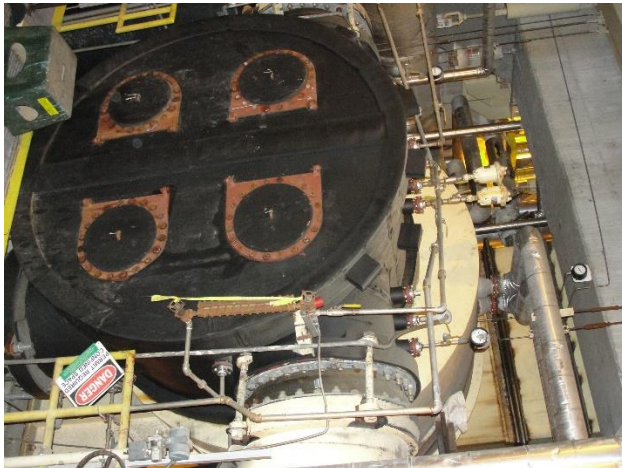
Generator breaker and control panel
Turbine control panel
Any available spare parts
Drawings, manuals, history records.

HISTORY:

Year built: 1987

Last run: June 2017





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