

SCU #2								
	Function	Not Function	Could Not Functional Test	Condition / Clean			Device	
				Poor	Fair	Good	Present	Not Present
Gearbox GTA		X		X			X	
Gearbox GTB		X		X			X	
VFD/Starter GTA	X					X	X	
VFD/Starter GTB	X					X	X	
Lube Oil Cooling Fan GTA	X				X		X	
Lube Oil Cooling Fan GTB	X				X		X	
Pre/Post L.O Pump GTA	X				X		X	
Pre/Post L.O Pump GTB	X				X		X	
Scanner Blower A		X		X			X	
Scanner Blower B		X		X			X	
Liquid Fuel Pump GTA	X				X		X	
Liquid Fuel Pump GTB	X				X		X	
Exhaust Fan		X		X			X	
Beckwith GTA	X					X	X	
Beckwith GTB	X					X	X	
Electro Industries GTA		X		X			X	
Electro Industries GTB		X		X			X	
HRSB PLC	X					X	X	
Turbine Controller PLC GTA	X					X	X	
Turbine Controller PLC GTB	X					X	X	
Battery Chargers	X				X		X	
Batteries		X		X			X	
Generator GTA	X				X		X	
Generator GTB	X				X		X	
Feedwater Actuator	X						X	
Duct Burner Actuator			X	X			X*	
Liquid Fuel Valves GTA			X					X
Liquid Fuel Valves GTB			X	X			X	
Liquid Fuel Manifold GTA			X	X			X	
Liquid Fuel Manifold GTB			X	X			X	
Control Room					X		X	
Switchgear			X		X		X	
MCC	X**				X		X	
Diverter Actuator GTA	X				X		X	
Diverter Actuator GTB	X				X		X	
Turning Gear GTA	X				X		X	
Turning Gear GTB	X				X		X	

- * Ductburner control valve replaced with air powered actuator.
- ** MCC starters need fuses replaced.

Summary: The unit has the possibility of making electric power. However to do so, some or all of the following needs to happen.

1. GTA Gearbox needs replacing.
2. GTB Gearbox needs replacing.
3. Electro Industries protective relays need replaced.
4. Both turbines need to be overhauled.
5. All filters on the fuel gas, liquid fuel, and lube oil systems need replaced.
6. All transducers (pressure, flow, level, watt, voltage, current, VAR) need calibration/replaced.
7. Lube oil cooler radiators need pressure tested.
8. Batteries need replacing and possibly the chargers.
9. Fuel gas isolation and vent valves need testing and replaced if necessary.
10. Liquid fuel valves need replacing and possibly the liquid fuel manifolds.
11. All tubing and piping cleaned of any obstruction.
12. Fuses replaced in MCC motor starters, and contactors cleaned.
13. VFD for the exhaust fan needs testing. (There was no manual present, so the VFD was bypassed).
14. Duct burner needs replacing as well as the housing.
15. Boiler needs hydro testing and testing through heat cycles. Possible replacement
16. Feedwater actuator and valve need testing.
17. Duct burner control valve needs testing. (Was replaced with air actuated valve.)
18. Scanner blowers need replacing.
19. All pressure switches need testing and setup.
20. Steam injection control valves need overhauling, and isolation, warm up, and nozzle valves need testing. (All air actuated).
21. Fuel gas filter skid needs cleaning and painting.
22. Liquid fuel pumps and motors need maintenance and painting, and tested with fuel. (Pumps and motors were only started to test functioning of motor.)
23. Major cleanup of dirt, oil, grease, animal droppings, etc. throughout the unit.
24. Switchgear and breaker compartments need cleaning and moving parts lubricated.
25. Possible upgraded of control systems.
26. Generators need thorough cleaning of dirt, corrosion, and rust.
27. Exhaust fan needs repaired/replaced.
28. Handle on door covering GTB switchgear bus bar broken and needs replacing and GTB needs megger testing. Could not access because could not open door.