GE LM2500+Sac For Sale (31.3 MW, 50 Hz):

GE LM2500+ natural gas-fired and associated Aalborg HRSG. The GE LM2500+ has a nominal output of 30 MW. The OCGT originally produced steam for local combined heat and power ("CHP") demand, which no longer exists. Due to this, the HRSG is kept in dry preservation and the OCGT operates using the bypass stack, providing black start and short-term operating reserve capability. Open cycle GE LM2500+ GT driving a 36 MVA generator, which is a totally enclosed air-cooled ("TEAC") design rated at 11 kV. The boiler on this unit is currently in dry preservation.

The LM2500+, a design based on the very successful heritage of the LM2500 gas turbine, rolled off the production line in December 1996. The LM2500+ was originally rated at 27.6 MW, for a nominal 37.5 percent thermal efficiency at ISO, with no losses at 50 Hz. Since that time, its rating has continually increased to reach its current level of **31.3 MW and 41 percent thermal efficiency**. The LM2500+ has a revised and upgraded compressor section with an added zero stage for increased flow and pressure ratio, and revised materials and design in the HP and power turbines. The gas generator operates at a compression ratio of 22:1. The inlet end of the LM2500+ design is approximately 330 mm (13 inches) longer than the current LM2500, allowing for retrofit with only slight inlet plenum modifications. In addition to the hanging support found on the LM2500, the front frame of the LM2500+ has been modified to provide additional mount link pads on the side. This allows engine mounting on supports in the base skid.

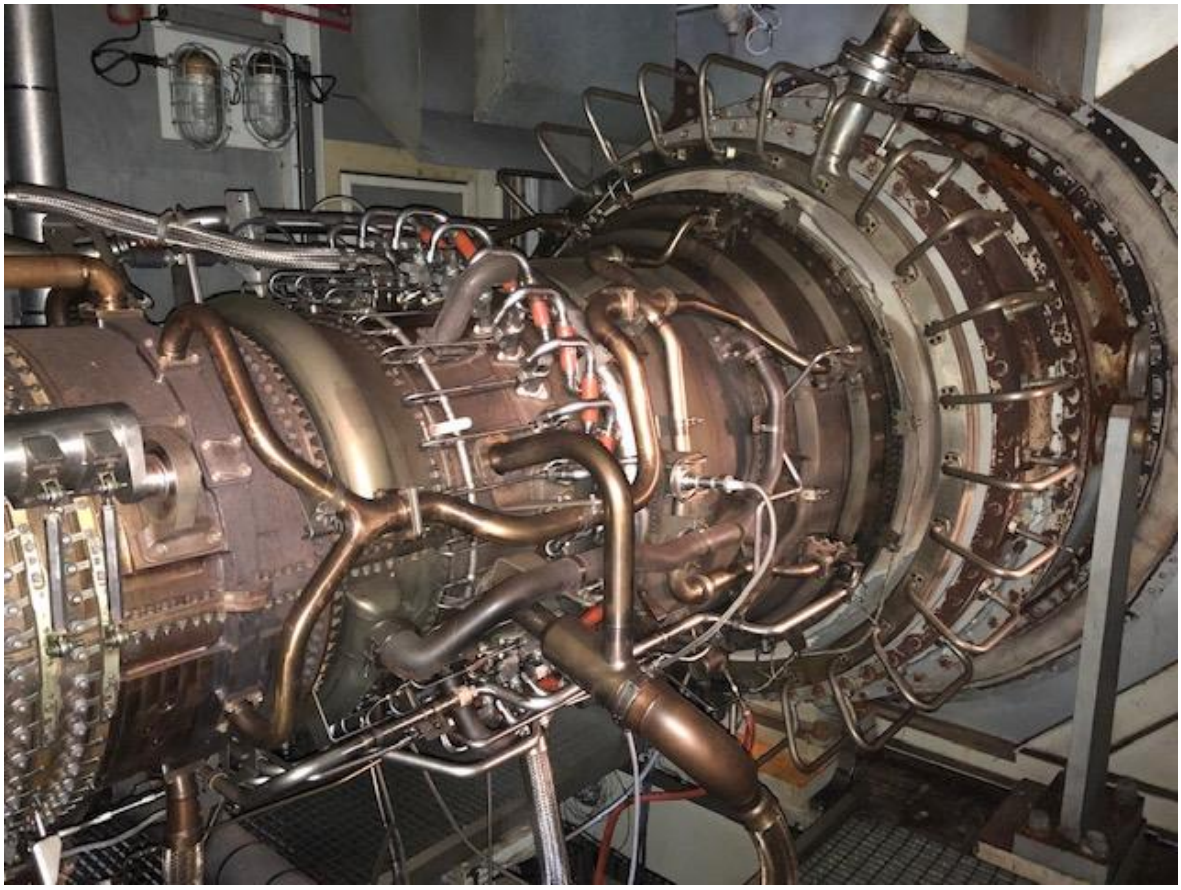
The CHP plant was a backup steam source from the exhaust gas from a GE LM2500 installed on site. The Waste Heat Recovery Boiler (WHRB) for the CHP Plant is capable of generating up to 110 t/h of steam at 21 bar and 360 °C. In addition, there were additional duct burners in the WHRB which could augment the steam production. Plant was used for backup CHP steam deliver the first few years of operation, backstopped by a larger combined cycle plant when operational. The contract was terminated a few years in and the LM2500+ was only used for black-start and peaking purposes since. Very well maintained directly by GE for 20+ years until 2020.

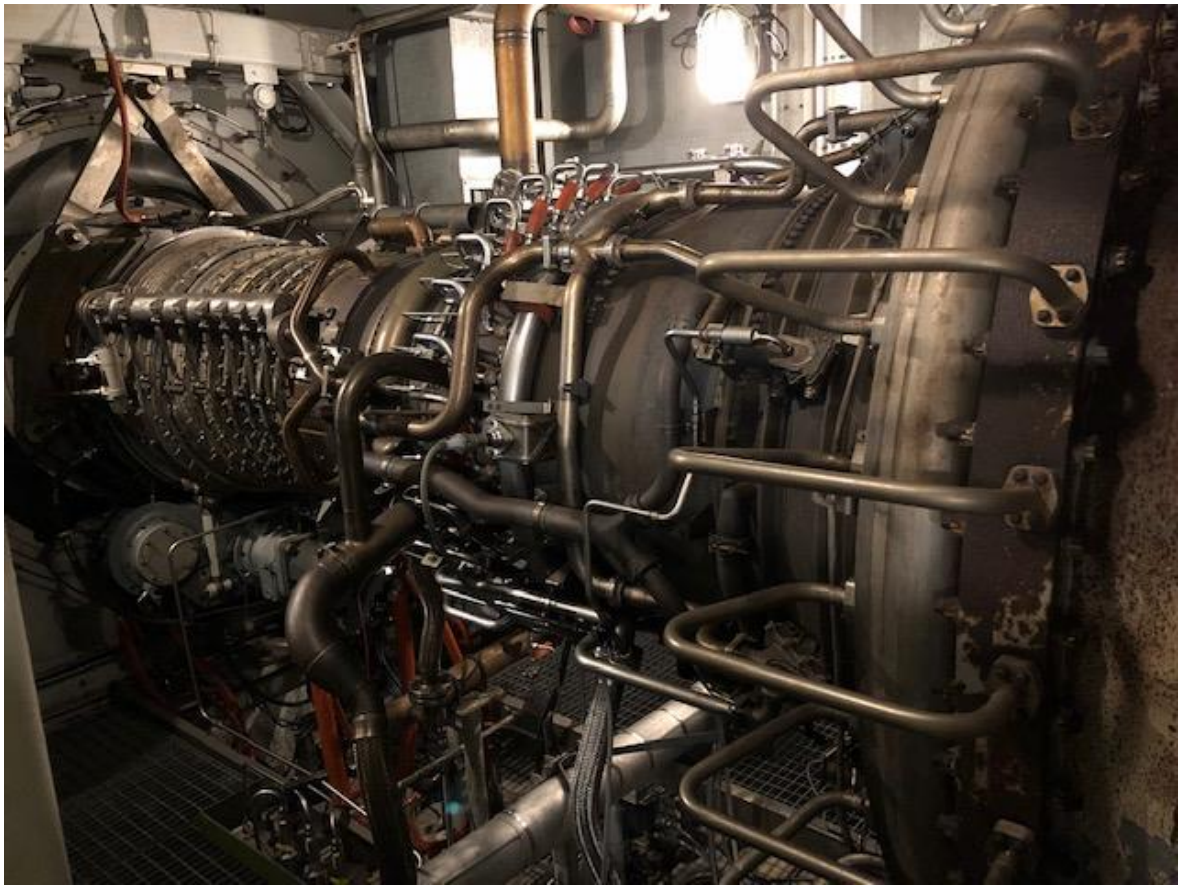
Last operational run was in 2020. No recent borescope (2013).

Standard LM container is inside another building that has kept it from external weather conditions.

Total Hours: 23,859, 12, 500 since last o/h Starts: 1,428

PGT25+ - Turbogenerator	Equipment	S/N	GE S/N	Job no.	Model	OEM
	Gas Turbine	641-109	812059	1707002	LM2500GJ	General Electric
	Power Turbine	G06339	G06491	1707002	HSPT	General Electric
	Gear Box	6625	-	1707002	TX80/4C	Flender-Graffenstaden
	Electrical Generator	510681	-	1707002	JISATL 435	Jeumont Industrie
	Control Panel	F47DTZPV608	-	1707002	Mark VI	Ge Salem





CONTROL ROOM