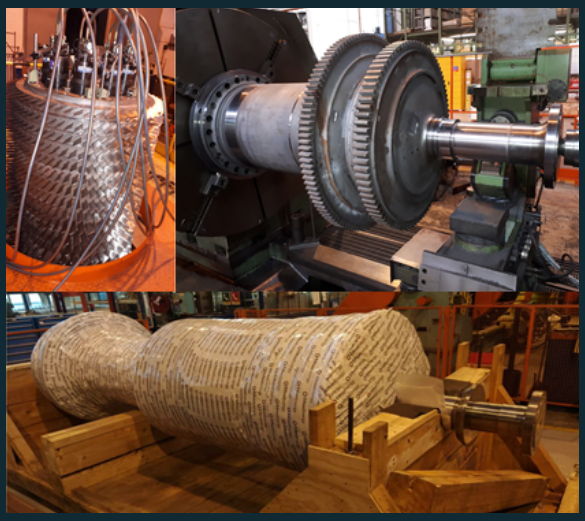
EthosEnergy

Certified, previously operated rotor GE FR5001 with known pedigree and remaining life of 100,000 FFH & 4600 FFS



Extended life of GE FR5001

Rotor Summary

Frame 5001PA rotor previously operated in a General Electric PG5371 gas turbine for the total of 96314 Firing Hours. This gas turbine was part of a combined cycle plant (1x GT into 1x ST) located in the Germany, operated only on natural gas fuel, base load, very few starts.
GT engine (and relevant rotor) have consistently been maintained by the OEM (Kanis Energie, General Electric) under a multi-year service agreement following the OEM recommended maintenance standards.

Technical Overview - Rotor Assembly

New Compressor blades: from R0 to R7 in GTD 450 material, from R8 to R16 in AISI403Cb.
Thin thrust collar suitable for latest inactive thrust bearing configuration (ref P/N 314A5997P004).
New set of compressor though bolts/ marriage bolts & turbine though bolt kits.
Exhaust flange with 24 bolt holes.
Turbine rotor un-bucketed, buckets can be supplied by EthosEnergy.
Rotor has been fully inspected and fully balanced in accordance with prudent industry standards.
Rotor Residual Life assessment and extension already completed in EthosEnergy workshop.
Journals shafts: Both journals are at nominal dimension.
Turbine journal has been restored by wire spray application.

Key Features

Rotor Residual Life
100,000 FFH, 4600 FFS

Suitable for
FR5001N/P/PA (latest conf)

Manufacturer
General Electric

Unit rotor OEM P/N
199C4304G001

Rotor History
Cumulated Firing Hours: 96314 hours
Cumulated Starts: 360 Starts
Operated in continuous mode (Base Load)

Rotor Delivery Time
Already packaged and ready for shipment
Shrink-wrapped and secured to shipping skid
Stored at EthosEnergy climate-controlled facility, upon request until delivery date