Independent periodic health inspection - TM2500(+)

Turnaround time: Estimated working time is approx. 40 hours

Turnaround time in days of 10 hours each:
✓ with provision of 1 mechanical engineer: 4 days
✓ with provision of 2 mechanical engineers: 2 days

Independent periodic health inspections surpass traditional periodic or borescope inspections:

- Fully independent perspective (especially important with engines under warranty)
- Dedicated improved work scope based on extensive VBR expertise & experience in:
  - ✓ optimizing reliability & availability TM engines
  - ✓ preventing & reducing unscheduled downtime TM engines
  - ✓ optimizing total lifetime TM engines
  - ✓ optimizing safe operation environments
- Very cost effective: improved work scope at a competitive pricing
- Tailor-made recommendations based on customer business model & operating profile
- All recommendations and reports available 24/7 through your VBR Turbine Partners customer portal access (+ full service history upon request)

About VBR
VBR Turbine Partners are independent technical & digital maintenance experts for LM aeroderivative gas turbines and their control systems.

LM2500+ | LM6000 | TM2500+ | PGT25+ | Speedtronic | Woodward | DECIDE

We support TM operators worldwide to improve their reliability, availability & maintainability and to reduce their day-to-day operation & maintenance costs in a sustainable way.

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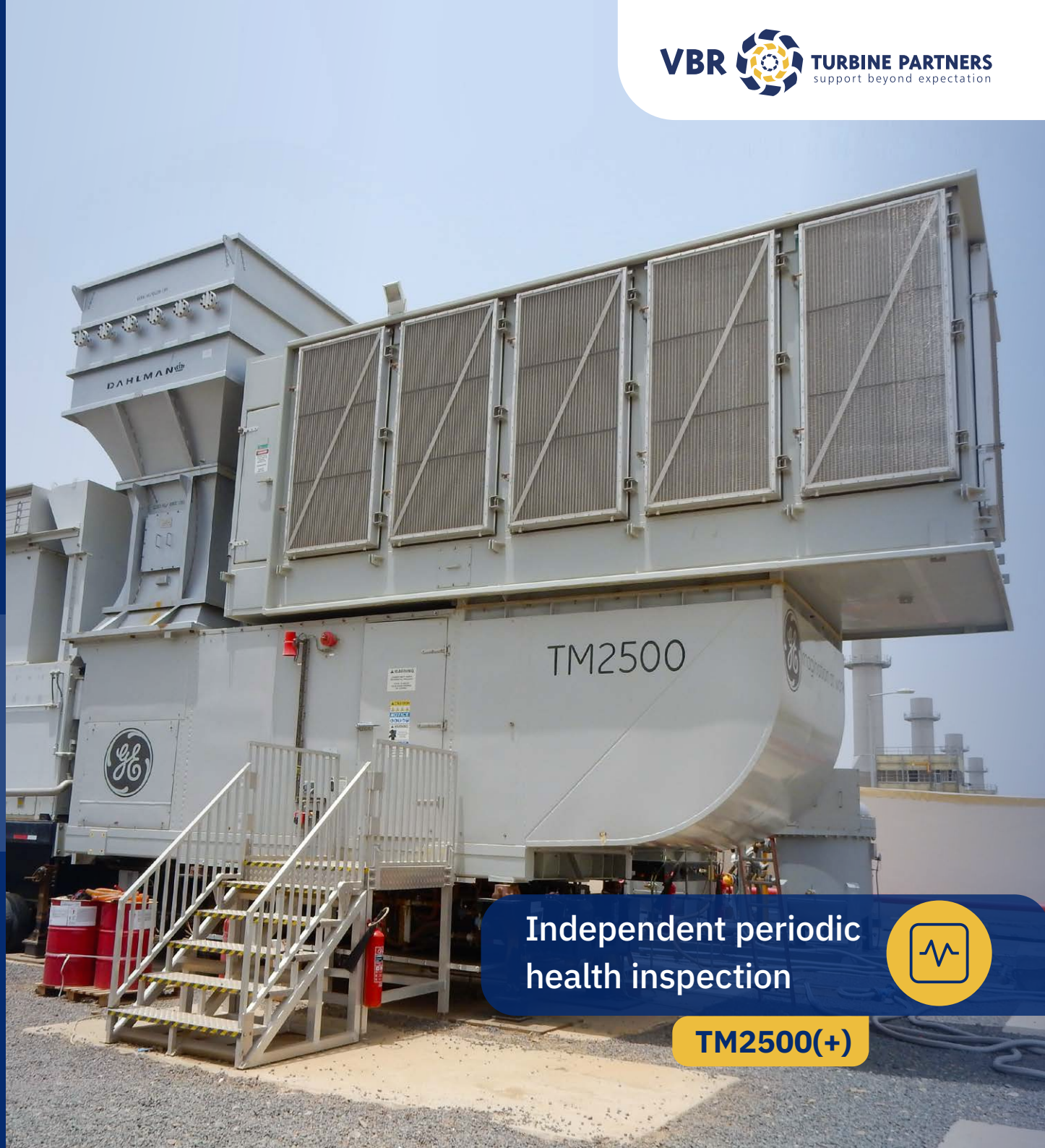
VBR TURBINE PARTNERS
support beyond expectation



Independent periodic health inspection

TM2500(+)

Workscope

TM2500

	SAC	SAC +	SAC + G4
Borescope inspection			
High pressure compressor (using electronic turning tool)	●	●	●
Combustor and Stage 1 HPT Nozzle	●	●	●
High pressure turbine (using electronic turning tool)	●	●	●
Stage 1 mid span damper inspection	●		
GG/GT visual exterior inspection			
Tubing, hoses and electrical harnesses	●	●	●
Inlet duct and centerbody	●	●	●
Transfer gearbox	●	●	●
Accessory gearbox	●	●	●
Compressor front frame	●	●	●
Compressor stator and variable vane components			
Compressor rear frame	●	●	●
Turbine mid frame	●	●	●
Power turbine stator case	●	●	●
Turbine rear frame	●	●	●
Accessories	●	●	●
GT mounts	●	●	●
Compressor inlet inspection			
Filter house	●	●	●
Silencers	●	●	●
Inlet plenum	●	●	●
Engine enclosure inspection	●	●	●
Exhaust inspection			
Exhaust duct inspection	●	●	●
PT stage 6 blade inspection	●	●	●
Diffusor inspection	●	●	●
Lube and scavenge pump inspection			
L&S pump inlet screens will be inspected	●	●	●
(Magnetic) plug or chip detector inspection	●	●	●
Synthetic lube oil analysis	●	●	●
Fuel system visual inspection	●	●	●
Fuel nozzle visual inspections			
Two fuel nozzles will be removed for visual inspection	●	●	●
Tip wear measurements	●	●	●

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TM2500

	SAC	SAC +	SAC + G4
T4.8/T5.4 inspection			
Visual inspection	●	●	●
Resistance check	●	●	●
P4.8/P5.4 visual inspection	●	●	●
Hydraulic control unit filter inspection (HCU)		●	●
Sight glasses cleaning	●	●	●
Igniter visual inspection	●	●	●
High pressure recoup check (running engine)	●	●	●
Bearing 7b thrust balance check (running enine)		●	●
VSV schedule check (running engine)	●		
Pneumatic/gas starter inspection (if applicable for client configuration)	●	●	●
Supply and scavenge lube filter inspection	●	●	●
Gas y-strainer inspection (if installed)	●	●	●
Non-return valve inspection (if applicable for client configuration)	●	●	●
Gas turbine starter oil return line screen inspection (if applicable for client configuration)	●	●	●