

IS/18
 dated --.--.2018

Information Message on GT-160 Remote Monitoring and Predictive Analytics System

On --.--.2018, remote monitoring and predictive analytics system detected the deviation in GTE-160 (v.94.2) technical condition in parameter “GT exhaust temperature” (10MBA22CT104BXQ01). This deviation was detected when loading GTU up to 56 MW, temperature at the GT exhaust downstream of the left CC (104B) was ~ 570 °C (Fig. 1).

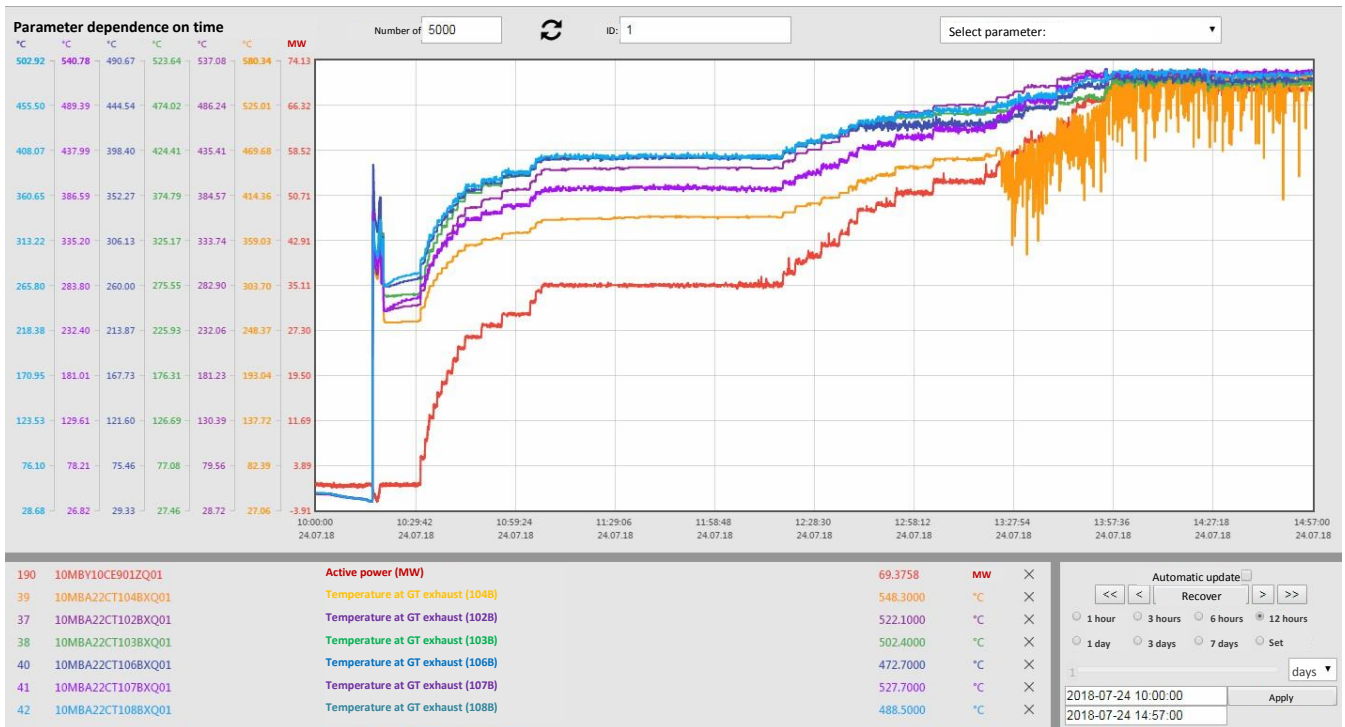


Fig.1 GT exhaust temperatures.

Changes in readings of 104B thermocouple have a wide spread of values, are of jump-like nature and do not correlate to the rest of temperatures readings at gas turbine exhaust. Besides, 104B thermocouple readings instability impacts the value of the corrected temperature (TATK) and incorrect operation of IGV, respectively.

It is recommended to:

1. Pull clamp connections of 10MBA22CT104B sensor.
2. Check the performance ability of 10MBA22CT104B sensor.
3. In case the temperature readings remain unstable after the measures performed, as per para. 1-2, replace 10MBA22CT104B thermocouple during the next GTU shutdown.
4. In order to improve the quality of recommendations, please provide feedback.

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 on Turbine Equipment

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