

METHOD FOR DETECTING THE PERFORMANCE OF AUXILIARY POWER UNIT

ABSTRACT

5 The present application discloses a method for detecting performance of an APU,
comprising: obtaining EGT (Exhaust Gas Temperature), LCIT (Load Compressor Inlet
Temperature), STA (Starting Time), TSR and PT, comparing respectively a difference of EGT
and LCIT (i.e., EGT-LCIT), STA, TSR and PT with respective threshold value; assigning a
10 weights to comparison results between the EGT-LCIT, STA, TSR and PT and the respective
threshold value; and determining the performance of the APU based on the comparison results
considering the weight between the EGT-LCIT, STA, TSR and PT and the respective threshold
value.

15 Figure 6