



## ***Reporting Maintenance Actions***

Routine and unscheduled maintenance events can have a significant impact on the trend monitoring graphs. In order to perform a timely and accurate trend analysis, it is essential that the operator reports maintenance events and associated troubleshooting procedures as soon as they are performed. The following list includes (but is not limited to) maintenance actions that should be reported to the Trend Group:

- 1) Compressor Section:
  - a) When Bleed Air, Anti-Ice, or Pneumatic Reference lines are disconnected or replaced, e.g.
    - Change of fuel control unit
    - Prop governor
    - Change of anti-ice valve
    - Filter repair/replacement
    - Aircraft air-service package work
    - Change of lines involved
  - b) Foreign Object Damage (FOD)
  - c) Bleed Valve changed, repaired, cleaned, or adjusted
  - d) Compressor washes
- 2) Hot section:
  - a) Hot Section component restoration or replacement
  - b) Turbine washes
  - c) Borescope Inspections: indicate findings
  - d) Fuel nozzle changes, removal, cleaning, flow checking
  - e) Engine performance ground runs: indicate targets and results
- 3) Instrumentation associated with trend monitoring data:
  - Altimeter
  - Airspeed
  - Outside Air Temperature
  - Torque
  - Prop or Fan Speed
  - Compressor Speed(s)
  - Fuel Flow
  - Turbine/Exhaust Temperature system including thermocouples and/or harness
  - a) Any component of these systems, such as indicator, transmitter or wiring, replaced, repaired, or calibrated. **NOTE:** In event of calibration, indicate discrepancy found.
- 4) Power section restoration or replacement
- 5) Airframe Pressurization
  - a) Outflow Valve
  - b) Window & Door Seals
  - c) Environmental Control System
- 6) Automatic data recorder maintenance
- 7) Aircraft Performance Modifications

For your convenience, maintenance actions can be reported to The Trend Group by phone, fax, email, or web at [www.thetrendgroup.com](http://www.thetrendgroup.com)

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