



QUEST AERONAUTICS
Advanced Solutions for General Aviation

GAMI LEAN TEST - TURBO - SHORTHAND METHOD

DATE

START TIME

END TIME

REMARKS

Cowl flaps open

For turbos that do not have automatic waste gates, maintain target MAP by adjusting MAP as necessary

65% PWR

ALT AMSL

MAP

RPM

TEST SEQUENCE

- * Set up the airplane at selected test altitude in normal cruise and 65% PWR – utilise your autopilot if available
- * Set full-rich mixture - note total engine fuel flow and EGT for each cylinder
- * Retard mixture control until first cylinder reaches peak EGT - note which cylinder has peaked, the exact total engine fuel flow, and peak EGT for that cylinder
- * Continue until you've recorded the total engine fuel flow and peak EGT of each cylinder in the order they reached peak
- * Reverse the process and note which cylinder has peaked, the exact total engine fuel flow, and peak EGT for that cylinder.
- * Repeat this rich-to-lean-to-rich mixture sweep procedure
- * On your last rich-to-lean sweep, while still on the lean side, transition to the in-flight lean of peak magnetos check before making any changes or clean up the ACFT for RTB



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NOTES

**TOTAL
ENGINE FUEL
FLOW**

EGT #1

EGT #2

EGT #3

EGT #4

EGT #5

EGT #6

Cylinder #

TOTAL ENGINE FUEL FLOW

EGT

Cylinder #

TOTAL ENGINE FUEL FLOW

EGT

Cylinder #

TOTAL ENGINE FUEL FLOW

EGT

Cylinder #

TOTAL ENGINE FUEL FLOW

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EGT

Cylinder #

TOTAL ENGINE FUEL FLOW

EGT