



QUEST AERONAUTICS
Advanced Solutions for General Aviation

GAMI LEAN TEST - TURBO - DOWNLOAD METHOD

DATE

START TIME

END TIME

REMARKS

Cowl flaps open/EMU set

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
- * Mixture set 100°F rich of peak (ROP) - note the fuel flow in GPH or PPH
- * Retard mixture control until the onset of roughness - note the fuel flow in GPH or PPH
- * Reverse the process until you get back to about 100°F ROP
- * 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

NOTES

FF 100°F ROP:

FF LOP: