

Engine Power From Fuel Flow Test Card – CS Prop

Before Flight Data

Date: Engine model:
Pilot: Compression ratio:
Aircraft Reg: Ignition System:
Aircraft Model:
Gross weight with full fuel:
IAS units (kt, mph or km/h):
OAT units (deg C or F):
Fuel flow units (US Gal/hr, Imp Gal/hr, l/hr):

Test Procedure

1. Slowly adjust mixture to find peak EGT, and record data.
Note: Allow time for EGT to stabilize after each mixture movement.
2. Without changing altitude, rpm or MP, change mixture and record data at a wide range of fuel flows, both rich and lean of peak EGT.
Note: Allow enough time at each fuel flow for IAS to stabilize.

In Flight Data

Pressure altitude (alt. Setting 29.92):
OAT:
RPM:
Fuel flow at peak EGT:

Fuel flow	Fuel remaining	IAS	Remarks