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## **Benjamin O. Davis Jr. Collection - Flight Checks - Davis, Benjamin O. 1206-A. (1)**

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# APPENDIX A MANUAL 51-11

## SECTION C - T-33 AIRCRAFT QUESTIONNAIRE

1. What engine is used in the T-33A?

^[[J33-A35]]

2. What is the rated thrust of the engine?

^[[4600# dry 5400@ with water alcohol]]

3. Why should the emergency fuel switch be turned "OFF" above 5,000'?

^[[Automatic switch over above 5000' could cause overheating & overspeeding. Better to flame-out.]]

4. Where are the emergency fuel system indicator lights and what do they indicate to the pilot when:

^[[Left inst. panel]]

a. Red light is ON, green and amber OFF?

^[[Gear not up & locked, T.O. & Land OFF.]]

b. Red light is OFF, green and amber ON?

^[[T.O. & Land ON & operating on emergency system.]]

c. Red and amber OFF, green ON?

^[[T.O. & Land ON & operating on Normal system.]]

d. All lights OFF?

^[[Gear up & locked, T.O. & Ld OFF.]]

e. All lights ON?

^[[Emergency fuel check-out.]]

5. How do you get ignition for a ground start? Air start?

^[[Ignition SW - power fr APU]]

Air start ignition sw - power fr. battery]]

6. At what rpm should the starter and ignition disengage?

^[[17-19%]]

7. What is the oil capacity needed for normal operation?

^[[12 qts]]

8. Where and how may the oil level be checked?

^[[Check bayonet gauge on right side of accessory drive gear casing]]

9. What is the total usable fuel capacity of the T-33?

a. What is the usable fuel capacity of the following:

Centerline tip tanks: ^[[460]]

Leading edge tanks: ^[[104]]

Main wing tanks: ^[[154]]

Fuselage tanks: ^[[95]]

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a. Red light is ON, green and amber OFF? Gear not up & locked, T.O. & Land OFF.

b. Red light is OFF, green and amber ON? T.O. & Land ON & operating on emergency system.

c. Red and amber OFF, green ON? T.O. & Land ON & operating on Normal system.

d. All lights OFF? Gear up & locked, T.O. & Ld OFF.

e. All lights ON? Emergency fuel check-out.

5. How do you get ignition for a ground start? Air start?  
Ignition SW - power fr APU  
Air start ignition sw - power fr battery.

6. At what rpm should the starter and ignition disengage?  
17-19%

7. What is the oil capacity needed for normal operation?  
12 qts

8. Where and how may the oil level be checked?  
Check bayonet gauge on right side of accessory drive gear casing.

9. What is the total usable fuel capacity of the T-33?

a. What is the usable fuel capacity of the following:

Centerline tip tanks: 460 Leading edge tanks: 104

Main wing tanks: 154 Fuselage tanks: 95

63



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