

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

June 1, 2012

AIRWORTHINESS

Group Chairman's Factual Report

WPR11MA454

Attachment 5 – Safety Inspections
(3 pages)

Unlimited Division Safety Inspection

Race No. 177 A/C Type P-51 License N79111

Powerplant	
A. Installation	✓
B. Plumbing	✓
C. Linkage	✓
D. Fuel System	✓
1) Pressure Check	✓
2) Shutoff Valve	✓
E. Exhaust System	✓
1) Stacks	✓
2) Heat Shields	✓
F. Engine Cowls	✓
G. Fire Extinguisher System	✓

Cockpit	
A. Canopy Release	✓
B. Oxygen System	✓
C. Communication Equipment	✓
D. Throttle Control	✓
1) Prop Control	✓
2) Mixture Control	✓
E. Seat Belt	✓
1) Shoulder Harness	✓
F. Fuel System Selector	✓
G. Landing Gear Controls	✓
H. Instrument Panel	✓
I. Flight Controls	✓
J. Parachute Date <u>8/30/11</u>	✓
K. Helmet System	✓

Wings	
A. Structure	✓
B. Panels / Doors	✓
C. Ailerons	✓
D. Trim Tabs	✓
E. Flaps	✓
F. Fabric Condition	✓

Landing Gear	
A. Plumbing	✓
B. Rigging	✓
C. Doors	✓
D. Tires / Wheels	✓
E. Brakes	✓
F. Nose Tire	✓
G. Tail Wheel Doors	✓

Empennage	
A. Structure	✓
B. Elevator / Trim Tab	✓
C. Rudder / Trim Tab	✓
D. Fairings / Panels	✓
E. Fabric Condition	✓

Fuselage	
A. Structure	✓
B. Panel / Doors	✓
C. Fairings	✓


Propeller	
A. Hub	✓
B. Blades	✓
C. Spinner	✓

High Pressure Bottles	
A. Oxygen <u>8/11</u>	✓
B. Other	✓
C. Log book entry and/or tag for hydrostatic inspection	✓

Remarks

ear trim tab screws too short, add washer in 1/4" wheel well

Y	N	<u>7/29/11</u>
✓		Aircraft Inspection Complete

App'd By: 

Date: 9/12/11

Unlimited Division Safety Inspection

Race No. 177

A/C Type P-51

License N79111

Powerplant	
A. Installation <i>R/A nut short</i>	✓
B. Plumbing	✓
C. Linkage	✓
D. Fuel System	✓
1) Pressure Check	✓
2) Shutoff Valve	✓
E. Exhaust System	✓
1) Stacks	✓
2) Heat Shields	✓
F. Engine Cowls	✓
G. Fire Extinguisher System	✓

Cockpit	
A. Canopy Release	✓
B. Oxygen System	✓
C. Communication Equipment	✓
D. Throttle Control	✓
1) Prop Control	✓
2) Mixture Control	✓
E. Seat Belt	✓
1) Shoulder Harness	✓
F. Fuel System Selector	✓
G. Landing Gear Controls	✓
H. Instrument Panel	✓
I. Flight Controls	✓
J. Parachute Date <i>7/10</i>	✓
K. Helmet System	✓

Wings	
A. Structure	✓
B. Panels / Doors	✓
C. Ailerons	✓
D. Trim Tabs	✓
E. Flaps	✓
F. Fabric Condition	—

Landing Gear	
A. Plumbing	✓
B. Rigging	✓
C. Doors	✓
D. Tires / Wheels	✓
E. Brakes	✓
F. Nose Tire	—
G. Tail Wheel Doors	✓

Empennage	
A. Structure	✓
B. Elevator / Trim Tab	✓
C. Rudder / Trim Tab <i>loose bearings</i>	✓
D. Fairings / Panels	✓
E. Fabric Condition	✓

Fuselage	
A. Structure	✓
B. Panel / Doors	✓
C. Fairings	✓


Propeller	
A. Hub <i>09</i>	✓
B. Blades	✓
C. Spinner	✓

High Pressure Bottles	
A. Oxygen <i>6/06</i>	✓
B. Other	✓
C. Log book entry and/or tag for hydrostatic inspection	✓

Remarks

*Insp-^{FWD}, RH engine mt nut needs replaced, clamp breather lines & aftercooler/
Safety upper eng mt to firewall bolts, safety p-leads, safety temp probes on oil tank.
Safety cano plug, top rudder bearing loose*

Y	N	<i>Insp - 9-16-09</i>
✓		Aircraft Inspection Complete

App'd By: 

Date: *9/2/10*

See reverse side for notes

9/13/10

Notes: Race 177 boiler system

- aircraft inspected w/ limited access to boil-off system
- crew/owner cooperation was low
- FAA (Bill Coonder) verified their approval but did not re-inspect
- inspectable areas appeared to be ok