

NORTHWEST SEAPLANES, INC.

P.O. BOX 1845
RENTON, WA

DEHAVILLAND DHC-3 OTTER 100 HOUR / ANNUAL INSPECTION CHECKLIST

DATE STARTED:	9/1/22	ETT:	2162.2
AIRCRAFT #:	N725TH	ESOH:	2162.2
HOBBS TIME:	2162.2	ENG. EQUIV. CYCLES:	3280
AC TOTAL TIME:	24,430.2	PTT:	6853.7
WING LANDING CYCLES:		PSOH:	563.1
DATE RETURNED TO SERVICE:		1/23/22	

+72.6 since 100 hr, +352.5 since annual

ENGINE

1. Check the fuel and oil system connections for security; check the starter / generator and ignition system for security; check the alternator for security.
2. Check the electrical connections and wiring harnesses.
3. Check the fire seals for security and cracking.
4. Check the compressor inlet screen for security and condition.
5. Inspect the engine mounts.
6. Inspect the inside of the nacelle. Check all of the fuel system connections with the fuel boost pumps on.
7. Check the firewall for cracks and structural damage.
8. Check the engine controls for condition. Check for full travel, stop to stop, on control levers both in the cockpit and on the Fuel Control Unit.
9. Check the exhaust nozzles for cracks and deformation.
10. Check the oil level with the prop feathered.
11. Inspect the external power receptacle for cleanliness and the contacts for security.

PROPELLER

1. Remove the spinner dome and visually inspect the blades, spinner and hub components for nicks, gouges, erosion, cracks, or corrosion.
2. Inspect the blades and spinner for indications of a lightening strike, that is, discoloration, signs of burning or melting, chipped or missing material which may have been caused by a lightning strike.
3. Check for oil leakage from the hub.
4. Check the blades for play or movement.
5. Inspect the mounting bolts for security and safety wire.
6. Install the spinner dome.

TIME IN SERVICE
2162.2

N# N725TH
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I CERTIFY THIS AIRCRAFT WAS INSPECTED
IN ACCORDANCE WITH AN 100 HOUR
INSPECTION AND FOUND AIRWORTHY.
Brian Davis

FUSELAGE EXTERIOR

1. Inspect the fuselage skins for loose or missing rivets, buckles, wrinkles, corrosion, abrasions, dents, or cracks.
2. Check the drain holes for obstruction.
3. Inspect the fairings, panels and engine cowl for cracks, corrosion, and distortion.
4. Check all doors for security in the closed position. Close the cabin left rear cargo door and position both lower and upper latches in the locked position. Check that each latch pin makes positive engagement with the door frame holes. Check that the lower latch pin remains positively engaged with the door frame when the locked latch is lifted to the top of its vertical play.
5. Inspect the hinges, latches and fasteners for serviceability.
6. Check the antennas for security and erosion.
7. Check the windshield, cockpit and cabin windows for cleanliness, cracks, crazing, leaks and security.
8. Inspect the fuel filler caps for seals, lanyards and placards.



FUEL TANK ACCESS

1. Inspect the access panels for security, wear and corrosion.
2. Check the sumps for corrosion and leaks.
3. Check the drain valves for leaks.
4. Inspect the fuel lines for corrosion, chaffing bonding straps and security.
5. Check the fuel quantity transmitters and electrical connectors for security and corrosion.



FORWARD SERVICE HATCH

1. Inspect the access panel for security, wear and corrosion.
2. Check the lower control column for security, cracks, bearings and stops. Comply with A.D. 83-04-05 S/B No. 3/39.
3. Check the rudder torque tube for security, cracks, cable wear and corrosion.
4. Check the cables and pulleys for security, wear and corrosion.
5. Check the aileron cables and pulleys for security, wear and corrosion.
6. Check the aileron quadrant and stop for cracks, security, cable wear and corrosion.
7. Check the elevator control lever assembly for security and travel – stop to stop.
8. Check the elevator cables and pulleys for security, wear and corrosion.
9. Inspect the fuel lines for security, leaks and chaffing.
10. Inspect fuel transfer pumps for security, leaks, bonding straps and electrical connectors.
11. Check the water rudder clutch for security, and function. Inspect cables for wear and corrosion.
12. Inspect compartment for cleanliness and corrosion.



WINGS

1. Inspect the ailerons for security, travel and loose rivets.
2. Inspect the aileron actuator rods for condition, play and safety.
3. Inspect the aileron control cables and pulleys for wear, tension and corrosion.
4. Inspect the flaps for security, travel, corrosion and loose rivets.
5. Inspect the flap actuator rods for condition. Check the rod ends for wear and corrosion.
6. Inspect the flap control rods and bellcrank bearings.
7. Inspect the wing struts for security, fittings for cracks and corrosion.
8. Inspect the skins for corrosion, loose rivets, cracks and dents.
9. Inspect the landing light, beacon, and navigation lights for security and operation.
10. Inspect and test the stall warning switch.
11. Inspect the pitot mast and pitot for security, blockage and erosion.



TAIL

1. Inspect the vertical fin for security, loose rivets, cracks, dents and corrosion.
2. Inspect the rudder for travel, bearings, loose rivets, cracks, dents and corrosion.
3. Inspect the rudder trim tab for security, travel, hinge pin wear, cracks and corrosion.
4. Inspect the horizontal stabilizer for security, loose rivets, cracks, dents and corrosion.
5. Inspect the elevators for travel, security, loose rivets, cracks, dents, and corrosion.
6. Inspect the elevator trim tab (LH only) and elevator servo tab (RH only) and rod rod ends, and attachment brackets for security, excessive play, cracks, and corrosion. (see Information for Continued Airworthiness Supplement DHC-3 Otter Redundant Servo Tab VT-AAI 129-13 and comply with A.D. 11-18-11)
7. Inspect the ventral fin for security, loose rivets, cracks dents, and corrosion.
8. Inspect the cargo net for security and operation.
9. Inspect the rudder, elevator, and trim cables for security, broken strands, tension and corrosion.
10. Inspect the cargo area for condition and cleanliness.
11. Inspect the Emergency Locator Transmitter for security, battery date MAY 2014 and by 14CFR 91.207d at the annual inspection.

FUSELAGE INTERIOR

1. Inspect the seats for security, condition, connection to the cabin floor and wall. (Instructions for Continued Airworthiness for rear left and right seats just forward of the baggage compartment)
 - a. Verify the seat belt fitting is properly installed and the seat belt is routed through the fitting.
 - b. Verify the ends of the seat belt are attached to the side rail or seat track using the tie-down rings and end fittings.
2. Inspect the cabin seat belts for security, condition and operation.
3. Inspect the cabin panels for security and condition.
4. Inspect the flooring rails for security, cracks and wear.
5. Inspect the courtesy lights for operation and placarding.
6. Inspect the cockpit fire extinguisher for security, pressure and sign off.

COCKPIT

1. Inspect the pilot and co-pilot seats for security condition and operation.
2. Inspect the pilot and co-pilot seat belts for security, condition and operation.
3. Inspect the rudder pedals for security, condition and operation.
4. Inspect the control column for security, condition and operation.
5. Inspect the rudder trim wheel for security, condition and operation.
6. Inspect the flap hand pump and selector lever for security, condition and operation.
7. Inspect the hydraulic reservoir for correct fluid level and secure the cap.
8. Check the instruments for security and markings.
9. Check the instrument panels for the security and condition of shock mounts.
10. Check the switches and circuit breakers for security, condition and operation.
11. Check the radios for security, condition and operation.
12. Check the water rudder retract handle for security, condition and operation.

FLOATS

1. Inspect the skins for security, corrosion, loose rivets, cracks and dents.
2. Inspect the struts and strut fittings for security, cracks and corrosion.
3. Inspect the flying wires and fittings for security, tautness, corrosion and cracks.
4. Inspect the cables and pulleys for security, operation, wear and corrosion.
5. Inspect the water rudders for security, travel, corrosion and wear.
6. Check the zincs for security and wear.

2162.2 Hobbs

4/1/22

DL 0.2.

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Initials: _____

Initials: [REDACTED]

Initials: _____

Initials: _____