

AIRCRAFT MODEL <b>\$76 B</b>	SERIAL NO. <b>760368</b>	REGISTRATION NO. <b>N56RD</b>	OWNER
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PILOT	DATE	TYPE OF FLIGHT	ACFT. HRS.	ENG. STARTS		TORQUE EVENTS	LANDINGS	POWER ASSURANCE	
				ENG. 1	ENG. 2			ENG. 1	ENG. 2
<i>Les Smith</i>	<i>9/29/11</i>		<i>1.5</i>	<i>3</i>	<i>3</i>		<i>3</i>	TORQUE	
			.					TOT/ITT	
			.					N1	
			.					N2	
			.					OAT	
<b>TOTAL FOR THE DAY:</b>								PA.	

AIRCRAFT & ENGINE FLIGHT HRS / CYCLES / RIN	AIRCRAFT HOURS	ENG. HOURS		ENG. CYCLES		TORQUE EVENTS	LANDINGS	I CERTIFY THAT THE DAILY INSPECTION WAS COMPLETED ACCORDING TO THE MAINTENANCE MANUAL.
TOTALS BROUGHT FORWARD:		ENG. 1	ENG. 2	ENG. 1	ENG. 2			
	<i>4329.7</i>	<i>4355.0</i>	<i>4355.0</i>	<i>6379</i>	<i>6379</i>		<i>7515</i>	
TOTALS FOR TODAY:	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>3</i>	<i>3</i>		<i>3</i>	
ACCUMULATIVE TOTAL:	<i>4331.2</i>	<i>4356.5</i>	<i>4356.5</i>	<i>6382</i>	<i>6382</i>		<i>7518</i>	
NEXT SCHEDULED INSPECTION DUE:								NAME & CERTIFICATE NO.
TYPE INSPECTION (50, 100, ETC.)								DATE:
ANNUAL INSPECTION DUE DATE:								

**PILOTS AND MAINTENANCE RECORD**

LOG BOOK ENTRY N56RD S/N 760368 T.T. 4329.7 W.O. # 11-585 DATE: 9-30-2011

<b>FLIGHT DISCREP</b>	<b>1</b>	<p>The following maintenance was performed on this aircraft during this inspection:</p> <ol style="list-style-type: none"> <li>Removed all cowling, inspection panels, interior trim, horizontal stabilizer, seats, interior trim, &amp; floor panels to comply with maintenance. Reinstalled all items removed after maintenance.</li> <li>C/W the following inspections: 12 month airframe insp. 100 hr airframe insp, 6 month/12 month calendar insp items, 12 month float insp, 12 month eng fire extinguisher weigh, 12 month coll control sticks for cracks, Engines 300 hr/12 month inspection, Engines 600 hr/12 month insp, Engines 900 hr/12 month insp, 12 month Avionics insp.</li> <li>Removed M/R dampers P/N 76106-08000-050 S/N A061-01341, S/N A061-01898, S/N A061-03495, &amp; S/N A061-03499 for overhaul. Installed serviceable dampers P/N 76106-08000-050 S/N A061-04930, S/N A061-04360, S/N A061-04847, S/N A061-01413 TSO: 0.0.</li> <li>Removed power supply P/N 60-1321-1 S/N 1644 for 12 month test/charge. Installed same as removed after inspection.</li> <li>Removed power supply P/N 501-1228-04 S/N 4518 for 12 month test/insp. Installed same after inspection.</li> <li>Removed T/R paddles P/N 76101-05501-042 S/N A245-00498 &amp; S/N A245-00147 for ease of maintenance. Installed same after Maintenance.</li> <li>De-fueled aircraft.</li> <li>Serviced nose tire to correct pressure.</li> <li>Installed serviceable weather radar indicator P/N 7007700-804 S/N 90010468.1.</li> <li>Serviced Emergency blow down bottle.</li> <li>Removed T/R pitch change shaft and servo for ease of maintenance. reinstalled same as removed.</li> <li>Touched up paint in baggage compartment.</li> <li>Ground run &amp; leak checks complied with</li> </ol>
<b>CORRECTIVE ACTION</b>	<b>2</b>	
<b>CORRECTIVE ACTION</b>	<b>3</b>	
<b>CORRECTIVE ACTION</b>	<b>4</b>	
<b>CORRECTIVE ACTION</b>	<b>5</b>	
<b>CORRECTIVE ACTION</b>		<p>Repaired: Corrosion on #1 and #2 engine swing check valves, Corrosion on R/H engine deck cannon plug. Small puncture on L/H aft cabin floor panel. Working rivets on main beam overhead, Broken wires on seat belt light in cabin area. Bulkhead at R/H jack point for cracks in accordance with Sikorsky structural repair and corrosion control manual.</p> <p>Replaced: Leaking T/R gear box output seal P/N SB8003-101 and SB8208-102, # 1 &amp; # 2 engine leaking starter generator seals, 2 ea T/R blade boots P/N 76101-05008-101, Hyd line P/N 76651-01005-048, T/R pitch change shaft liner. Working rivets aft of baggage doors, Corroded hardware on compressor to turbine flange, L/H &amp; R/H eng cowl door seals.</p> <p>Retorques: Stabilizer support fitting bolts at ACTT: 4334.7 thru 4344.7 T/R attach nuts at ACTT: 4334.7 thru 4344.7 Stabilizer retaining fitting bolts at ACTT: 4334.7 thru 4344.7 T/R gearbox output flange at ACTT: 4334.7 thru 4344.7</p>
<b>CORRECTIVE ACTION</b>		<p>This aircraft and/or component (s) were inspected in accordance with current FAA regulations and was found airworthy for return to service for work performed. Pertinent details are on file at this agency under work order # <u>11-585</u></p> <p>Signed: [Redacted] Date: <u>9/30/11</u> For [Redacted] [Redacted] Broussard, LA 70518 CRS# Y3AR527Y</p> <p>Operational check flight for maintenance performed required. <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory</p> <p>NAME: [Redacted] CERT #: [Redacted]</p>



AIRCRAFT MODEL: **\$76B** SERIAL NO.: **760368** REGISTRATION NO.: **N80RP** OWNER: **RDC**

PILOT	DATE	TYPE OF FLIGHT	ACFT. HRS.	ENG. STARTS		TORQUE EVENTS	LANDINGS	POWER ASSURANCE	ENG. 1 ENG. 2	
				ENG. 1	ENG. 2				ENG. 1	ENG. 2
R. SHREAS	3-3-06		2.0	3	3	-	3	TORQUE		
			.					TOT/ITT		
			.					N1		
			.					N2		
			.					OAT		
TOTAL FOR THE DAY:								PA.		

  

AIRCRAFT & ENGINE FLIGHT HRS / CYCLES / RIN	AIRCRAFT HOURS	ENG. HOURS		ENG. CYCLES		TORQUE EVENTS	LANDINGS	I CERTIFY THAT THE DAILY INSPECTION WAS COMPLETED ACCORDING TO THE MAINTENANCE MANUAL.
		ENG. 1	ENG. 2	ENG. 1	ENG. 2			
TOTALS BROUGHT FORWARD:	3546.2	3570.5	3571.5	5421	5421		6473	
TOTALS FOR TODAY:	2.0	2.0	2.0	3	3		3	
ACCUMULATIVE TOTAL:	3548.2	3572.5	3573.5	5424	5424		6476	
NEXT SCHEDULED INSPECTION DUE:	7 DAY	25 HR	50 HR	100 HR	100 HR	INSP.	12 MO INSP	
TYPE INSPECTION (50, 100, ETC.)	3-9-06	3559.0	3584.0	3548.7	3548.7	3-06		
ANNUAL INSPECTION DUE DATE:	BIFILAR RCTER 3548.2							

NAME & CERTIFICATE NO. [REDACTED]  
 DATE: 3-24-06  
 22150

**PILOTS AND MAINTENANCE RECORD**

PILOTS ENTER DISCREPANCIES - MECHANICS ENTER ALL MAINTENANCE PERFORMED

FLIGHT DISCREPANCIES	REMARKS
1 3-6-06 BIFILAR TO CHECK DUE [REDACTED] C/3548.2	
CORRECTIVE ACTION 3-6-06	own BIFILAR TO CK THE STORM CHGS 13-00 FIC 401. NO MAINT NOTED. AS PER [REDACTED] NO 8005-82-01 BIFILAR SUPPORT FOR CHECKS FROM MAINTENANCE. NOT DUE @ 3548.2
2 3-24-06	C/15 A/F 100HR, 300HR, + 1500 HR. ZONE 1 Thru 5 INSPECTIONS TO place THIS AC ON ZONE INSP. PROGRAM FROM Equagized Program Per 576B NFM 5-20-00-1 - ALL MAINT. TASKS + DISCREPANCIES AND THEIR ASSOCIATED corrective Actions Recorded on separate ACFT DISCREPANCIE SHEETS DATED 3-6-06 Thru 3-24-06 pages 1-6. AC FT 3548.2 AP51705409 Dued [REDACTED]
CORRECTIVE ACTION	
3 3-24-06	c/w 7 Day INSP per CO. Policy ACT 3548.2
CORRECTIVE ACTION	
4 3-27-06	ACFT DUE 25 HR + 50 HR [REDACTED] instructions
CORRECTIVE ACTION 3-27-06	I certify that this ACFT was insp'd with a 25HR + 50HR A/F + 50 HR due with a 12 mo insp

**HELICOPTER LOG**

# S-76B

SA 4047-76B-2-1

CALENDAR INSPECTION CHECKLIST	FRE- QUENCY: HOURS/ CAL- ENDAR	CHAPTER/ SECTION/ SUBJECT/ *HELOTRAC	Z O N E	INIT	REMARKS
(m) Radio master system bypass switches (if installed).	12 Months	24-31-00 *231002	1		
28. Gear box chip detector warning system. Test main gear box chip detectors. Main gear box chip detectors and wiring for security and condition.	12 Months	66-64-00 *666403A			Replace any chip detector not meeting specified requirements.
29. Detailed examination of main gear box upper and lower housings for cracks and corrosion. Leakage of oil from area is an indication of a crack.	12 Months	66-10-00 *661002	5		If oil leakage is detected, inspect housings for cracks. Refer to Main Gear Box Housing Inspection, 66-10-00.
30. Main gear box - main rotor shaft upper bearing shoulder/bearing interface for corrosion. Apply corrosion preventive compound.	12 Months	66-10-00 *661004	5		Refer to Inspection/Check, 66-10-00, Main Rotor Shaft Corrosion Protection.
<u>NOTE:</u> This inspection is not applicable to gear boxes that have had caulking compound applied at the subject joint during the initial production or at overhaul buildup.					
31. Inspect collective stick position transducer (EEC resolver) electrical connectors per 1500-HOUR INSPECTION, ZONE 5, Item 1.	12 Months	73-21-00 *220001A	5		This inspection is not required if the 1500-Hour collective stick position transducer inspection has been accomplished within the 12 month period.
32. Remove and weigh engine fire extinguishing containers.	12 Months	26-21-00 *262103A/B	4		Refer to Servicing, 26-21-00.
33. Portable fire extinguisher, weight.	12 Months	26-22-00 *262201A/B	1		Minimum weight on extinguisher data plate.
34. Intermediate gear box for corrosion and service related damage.	12 Months	66-20-00 *662004	3		For inspection procedure and accept/reject criteria, refer to Intermediate Gear Box Corrosion Inspection, 66-20-00.

## 5-20-00

# S-76B

SA 4047-76B-2-1

## 1500-Hour Inspection Checklist Zone 5.

1500-HOUR INSPECTION CHECKLIST ZONE 5	CHAPTER/ SECTION/ SUBJECT/ *HELOTRAC	ZONE	I N I T	REMARKS
<p>1. Cyclic and collective stick transducers for security and condition. Electrical wiring and connectors for security and condition. Disconnect collective stick position transducer (EEC resolver) electrical connectors P1 and P2 from their respective mating connectors J817 and J818.</p> <p>(a) Visually inspect connectors P1 and P2 for damaged or missing pins or sealing plugs. All cavities should be filled with pins or sealing plugs.</p> <p>(b) Inspect connectors P1, P2, J817, and J818 for FOD (dust, crystalline objects, metal particles) and water intrusion or corrosion.</p> <p>(c) Thoroughly clean and remove any FOD. Remove any water droplets and corrosion. (Refer to Corrosion Control Manual, SA 4047-76-8.)</p> <p>(d) Replace damaged or missing pins/sealing plugs. (Refer to Airframe Wiring Harnesses, 20-31-00.)</p> <p>2. Pitch, roll, and collective gradient spring cylinders or links, and magnetic brakes or trim servos for security and general condition. Electrical connectors for security. Check self-aligning bearings in pitch, roll, and collective gradient spring cylinders or links. Remove attachment hardware at end opposite magnetic brakes or trim servos, check self-aligning bearings at both ends for freedom. Be sure anti-rotation washers are reinstalled and install bolts, washers, nuts, and cotter pins.</p>	<p>*051505</p> <p>22-10-08 22-20-02 73-21-00 *220001</p>	5		<p>All 1500 Hour Zone 5 Code</p> <p>Inspect every 1500 hours or 12 months, whichever occurs first. Also, refer to Honeywell Manual for helicopters with DAFCS).</p> <p>Missing pins or sealing plugs should be readily visible but a magnifying glass may be helpful for FOD or water intrusion.</p> <p>Empty cavities are filled with sealing plugs, MS27488-20, or pins, MS39029/58-363.</p>
	<p>67-13-01 67-13-02 67-13-03 *671301</p>	5		<p>Refer to Honeywell Manual (helicopters equipped with DAFCS).</p>

# 5-20-00