

Right engine

N7787Y Right Engine Lycoming IO-320-B1A SN L-1898-55A

2/18/2017 Hobbs reads 868 hrs 6518 TTEngine 0 SMOH

Engine disassembled to comply with Lycoming SB533. Right prop struck runway light.

Crankcase C/N PN72082/72081 SN M/N 454 was inspected & repaired by Crankcase Services.

Aircraft Specialties did the following work:

Crankshaft SN31394 was inspected & magnafluxed, rods & mains ground M.003 & nitrided.

SB475C CW. Oil seal surface reconditioned & replaced dowel pin.

4 PN78030 rods inspected, magnafluxed & rebushed

Lycoming camshaft PN 68768 & 8 lifters PN 72887 reconditioned.

8 rocker arms magnafluxed & rebushed.

Tackshaft PN 68757 magnafluxed & reconditioned

Misc gears & hardware inspected & magnafluxed

Harrison Engine Service OH'd 4 cylinders & installed 4 new SL19001A exhaust valves

True Speed Aero Governors OH'd F-6-3A governor SN 2434T.

500 hour Inspection on Slick 4271 magnetos done by Aircraft Magneto Service. 2 new M3529

Impulse couplings installed.

Fuel injection system was last OH'd by D & G Supply 9/27/2011. Servo & flow divider were checked by D & G Supply 2/13/2017 & repaired as needed.

All new engine baffling purchased from Airforms & installed.

Original oil screen removed & Lycoming oil filter adapter PN 77852 installed using original vernathem valve & CH48110 filter. Nitrided oil pump gears & shaft reinstalled, had 268 hrs TIS

Added 8 quarts Phillips 20 W 50 ND oil & preoiled engine.

Engine was assembled using Lycoming Direct Drive OH Manual PN 60294-7 with the following new parts:

4 AEL75089 STD pistons	4 AEL14077-1 piston pins	4 SL5401-SC ring sets
8 SL78027 rod bolts	4 SL12186 rod nuts	4 SL11020 M003 main brgs
2 SL13884 M003 main bearings	8 SL61662 M003 rod bearings	1 SL STD 2213 crank gear bolt
4 SL STD 1791 cam gear bolts	1 SL61084 oil pressure spring	1 SL1028B oil pressure ball
1 SL69371-1 MOH gasket set	4 SL 69603 intake hoses	4 SL STD 2180 RB line hoses
2 STD 2013 case half O rings	4 Barry 94011-03 engine mounts	1 71622 governor oil line
2 Rocker box return lines	1 LW15473 Rapco OH'd fuel pump	1 77852 oil filter adapter
1 8000075 Aero Classics oil cooler	Air Forms engine baffling set	1 441 sump engine heater

96-09-10C NA, New shaft & SL18109A oil pump gears installed at HobBs 599 hrs, 1/24/200196-23-03

96-23-03 NA, Fuel injector last OH'd by D & G Supply 9/27/2011

97-15-11 NA, New SL14077-1 piston pins installed at Hobbs 868 hrs, 2/18/2017

98-02-08 NA, constant speed propeller is installed

98-17-11C NA, Crankshaft last inspected by AIRCRAFT SPECIALTIES 9/14/2016

03-14-13 NA. LW15473 FUEL PUMP IS INSTALLED

04-10-14C LYCOMING SB 475C DUE UPON SUDDEN STOPPAGE

06-12-07 NA, LYCOMING CYLINDERS ARE INSTALLED

07-04-19R1 NA,, LYCOMING CYLINDERS ARE INSTALED

00-02-03 NA,, FUEL INJECTOR LAST OH'D BY D & G SUPPLY 9/27/2011

09-26-12 NA, LYCOMING CYLINDERS ARE INSTALLED

12-03-06 NA, AVSTAR FUEL INJECTOR IS NOT I NSTALLED'

15-02-07 NA, GOVERNOR IS INSTALLED IN REAR OF ENGINE

15-19-07 SB342G INSPECT FUEL INJECTION LINES & CLAMPS EA 100 HRS

Light Prop

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTALS brought forward from previous page <i>Blade Model 7663-4 S/N 1 = B97911 S/N 2 = B93378</i>
09-01-76	<i>Hobbs 870 -D-170 H</i>		Repair Hartzell Compact Model HC-E2YL-2BS, S/N BG 4097 per manual 117D + mfg. instructions. Disassemble, clean parts, strip hub, medium glass bead, anodized, Eddie current hub, paint polare gray, inspect rolling area on blades, Eddie current, grind blades + anodize, paint polare gray, install Teflon on blades, assemble propeller per manual + mfg. instr. check pitch + track torque, safety, balance grease. Repair only this date 09-01-76 Complied w. th: AD 01-07-03, AD 2003-13-17, AD 2005-14-11, AD 2006-24-07, AD 64-20-01, AD 64-21-05, AD 71-21-09, HC-ASB-61-322 Rev. 1, HC-61-227, Rev. 6, SB 86, SB HC-61-118F Rev. 1, SB HC-61-136, Rev. 1, SB HC-SB-61-281, HC-SL-61-324, HC-SL-61-329, HC-SL-61-343, HC-SL-61-345, Rev. 1, HC-SL-61-348, HC-SL-61-353, SL 101A, SL 62A, Rev. 1, SL 61, SL-HC-SL-61-177, SL-HC-SL-61-217, SL-HC-SL-61-228, SL-HC-SL-61-229, SL-HC-SL-282, Rev. 1, SL-HC-SL-61-61Y, Rev. 10, 60 mos or 2000 hours for overhaul or corrosion protection 30" station low = 12° Feather = 78° Start Lock = 17.5° pitch + track on

1. Approving Civil Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 2812
4. Organization Name and Address: ANDERSON PROPELLER CO., 14910 UPPER SANDY RD., ASEBY, MN 56309 FAA APPROVED REPAIR STATION #KENR819X				5. Work Order/Contract/Invoice Number: 2812	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
PROP	MAKE: HARTZELL	MODEL: HC-E2YL-2BS	1	SERIAL NO.: BG4097	REPAIR ONLY THIS DATE 09/01/76
12. Remarks: BLADE MODEL: 7663-4 BLADE SN # 1 = B97911 #2 = B93378 REPAIR HARTZELL COMPACT MODEL HC-E2YL-2BS, SERIAL NUMBER BG4097 PER MANUAL #117D AND MANUFACTURES INSTRUCTIONS, DISASSEMBLE, CLEAN PARTS, STRIP HUB, MEDIUM GLASS BEAD, ANODIZED, EDDIE CURRENT HUB, PAINT POLARE GRAY, INSPECT ROLLING AREA ON BLADES, EDDIE CURRENT, GRIND BLADES & ANODIZE, PAINT POLARE GRAY, INSTALL TEFLON ON BLADES, ASSEMBLE PROPELLER PER MANUAL AND MFG. INST. CHECK PITCH & TRACK, TORQUE, SAFETY, BALANCE, GREASE REPAIR ONLY THIS DATE 09-01-76 COMPLIED WITH: AD 01-07-03, AD 2003-13-17, AD 2005-14-11, AD 2006-24-07, AD 64-20-01, AD 64-21-05, AD 71-21-09, HC-ASB-61-322, REV. 1, HC-61-227, REV. 6, SB 86, SB HC-61-118F, REV. 1, SB HC-SB-61-281, HC-SL-61-324, HC-SL-61-329, HC-SL-61-343, HC-SL-61-345, REV. 1, HC-SL-61-348, HC-SL-61-353, SL 101A, SL 62A, REV. 1, SL 61, SL-HC-SL-61-177, SL-HC-SL-61-217, SL-HC-SL-61-228, SL-HC-SL-61-229, SL-HC-SL-61-61Y, REV. 10, 60 MONTHS OR 2000 HOURS FOR OVERHAUL OR CORROSION PROTECTION 30" STATION LOW = 12.0 FEATHER = 78.0, START LOCK = 17.50 PITCH & TRACK ON					
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
13b. Authorized Signature:		13c. Approval/Authorization No.:	14b. Authorized Signature: <i>Kenneth R. Anderson</i>		14c. Approval/Certificate No.: KENR819X
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed): KENNETH R. ANDERSON		14e. Date (dd/mm/yyyy): 01/09/2016
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification based in accordance with the national regulations by the user/installer before the aircraft may be flown.					

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