

N 52713

#2

THE
adlogTM

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

810 9779

**ENGINE
MAINTENANCE
RECORDS**

I0360 A/B6D

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N 52713

Engine Manufacturer LYCOMING

Model I0-360-21367

Serial No. L-17340-51A

(L-27321-51A)

Installed
12-23-03

(Tach. 1772.7)

Date installed on aircraft _____

Time Between Overhauls (TBO) 3000 Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| ☐ Right | ☐ Left |
| ☐ Front | ☐ Rear |



AEROTECH PUBLICATIONS INC.

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
4-11-00	1368.4	1368.4		CHANGED OIL & FILTER, RECOVERED OIL 3-QUARTS, WITH 4 QUARTS USED FILTER. RESEALING WITH 80TS ADVANTAGE LUBRIC. CLEAN RUN & LEAK CHECK ENG. COMPLIED WITH AD 93-02-05 JAN 58 No. 342A. REPLACED INJECTOR LINES ON No. 2 & No. 4 CYLS. ON JUL 1990-4-210 REPLACED SPRING ON No. 2 INJECTOR ON 7/19/93. ALL NEW CLAMPS & MOUNT HARDWARE ON INJECTOR LINES. TESTED FOR FUEL LEAKS. James R. Stollman AP563683305
4-27-00	1369.4	1369.4		CHANGE OIL & FILTER. RECOVERED OIL 3-QUARTS, CHANGED & INSTALLED USED FILTER. RESEALING WITH 80TS ADVANTAGE LUBRIC. COMPRESSION TEST CYL. No. 3, 76/80 No. 2 77/80 No. 3 76/80 No. 4 75/80. 4% LYCINGING IN 5818C REPLACE THERMOSTATIC BYPASS VALVE WITH NEW VALVE PIN 53E 23144, SN 104496 N: LONGER APPLICABLE. 4/10/93-02-05 INSPECTED INJECTOR LINES. MOUNTED NEW FLEXIBLE SYSTEMS SYSTEM PIN N1Z 6222, SN 008484 SEE 337 THIS DATE. REPLACED ALL FLEXIBLE HOSES FORWARD OF FIREWALL. CHECKED MAGNETO ENG. TIMING. REPLACED ALL CYL. OIL RETURN TUBE HOSES 4/10/93-04-06/01 TUB 1119.167 INSTALLED PROP. GOVERNOR FLEXIBLE OIL HOSE SEE 337 THIS DATE. REMOUNT PROPELLER GOVERNOR AFTER OVERHAUL. CLEANED RAN & LEAK CHECKED ENGINE. I certify this ENGINE has been inspected in accordance with a 100% inspection inspection and was determined to be in airworthy condition. James R. Stollman AP563683308
7-27-00	1369.4	1369.4		I certify this ENGINE has been inspected in accordance with a 100% inspection inspection and was determined to be in airworthy condition. [Signature] IA418880660
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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11-3-00	1417.6		1417.6	CHANGED OIL, FILTER (P/N 48103), OPERATE INSPECTED OLD FILTER. SERVICED WITH 896 PERASTELL 15W-50. CLEANED VAN UP + LEAK CHECKED. SAFETY OIL FILTER. RETURNED TO SERVICE 10/03/00 10:00 A.M. Edo. Shurtz. → HAP 41876138
12-6-00	1429.3		1429.3	REPLACED INTAKE GASKETS ON NO. 1 & 2. CHANGED OIL TYPED. INSTALLED SAFETY + LEAK CHECK NEW OIL QUANTITY 10.0 LBS. P/N 81451-5. James R. McAllister → HAP 41876138
12-20-00	1436.0		1436.0	INSTALLED NEW ALTERNATOR P/N 100010300T, 30A 1000000. James R. McAllister → HAP 41876138 OPERATIONAL TEST SATISFACTORY
12-29-00	1436.9		1436.9	INSTALL, TIGHTEN SAFETY NEW FLEW RAIL ON FUEL PUMP. P/N 15409, WITH NEW GASKET P/N 60096. PRESSURE CHECK PUMP + FUEL LINES FOR LEAKS. James R. McAllister → HAP 41876138
1-3-01	1455.0		1455.0	REMOVE DIP STICK TUBE. REINSTALL TIGHTEN SAFETY TUBE WITH NEW GASKET P/N 73159. INSTALL NEW O-RING SEAL IN DIP STICK. CLEAN AND LEAK CHECK FUELING. James R. McAllister → HAP 41876138
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9/1/03	1719.0	1719.0		changed oil & filter, no metal found, added 5 qts Aeroshell 15w-50 for AD 96-09-10 by replacement of aluminum oil pump in pump work hardened steel per S.B. 524. replaced Bradlett air filter Assy. with new, part #BA 5710, cleaned fuel strainer, lubed all eng. controls, adjusted idle speed and mixture ground on all systems operational, no leading metal. Eng full stop
DATE 9/1/03 I certify, this Engine has been inspected in accordance with an annual inspection and was determined to be in an Airworthy Condition. Tech/Robbs TT/SMOH Name: full stop Cert: 934689792A				
9/1/03	1720	1719.0		note: for AD 02-76-01 this date has visited insp. of fuel injection lines & clamps due again on 10/05, 12 mos. earlier loosened or replaced. Ref. S.B. 39271 Full stop
				934689792A
12/23/03	1722.7			REMOVED ENGINE 10-360 A1B6D S/N 1-17340-51A, SRM N52713, SN1255. Lewis, 22, 10218 J.A.

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.
570/323-6181

ENGINE SERIAL NUMBER 122321-51A

IN SERVICE DATE 122303 ENG. TT. 11123

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
27 MAR 04		TACH 1806.7		DRAINED OIL & REMOVED FILTER. INSTALLED NEW CH 48103 FILTER & 8 QTS 15-50 Aeroshell. Repaired MICRO SWOOL on fuel pump & adjusted. Tom Schuler 934Y55447A
18 APRIL 04		TACH 1842.6		DRAINED OIL & REMOVED OIL FILTER. INSTALLED 7 QTS OF AEROSHELL 15-50 AVIATION OIL & REPLACED THE OIL FILTER W/ NEW CHAMPION CH 48103. — RAN ENGINE & TESTED FOR LEAK W/ NONE FOUND. Wiping TIGHTEN UP OIL FILL TUBE 1/8 OF TURN. — WIPE OIL STREAKS Wiping
25 MAY 04				DRAINED OIL, REMOVED & REPLACED OIL FILTER. INSTALLED 6 QTS OF AEROSHELL 15-50 AVIATION OIL & REPLACED FILTER W/ NEW CHAMPION CH 48103. RAN ENGINE & TESTED FOR LEAKS W/ NONE FOUND. Joseph D. Schuler
7/2/04	TSMOH- 161.3	TACH 1934.0		AD 2002-12-07 DOES NOT APPLY BY MODEL NUMBER, C/W AD 2002-26-01 FUEL INJECTOR LINE INSP BY VISUAL NEXT TIME 12 HRS OR AT ANNUAL WHICH EVER OCCURS FIRST. AD 2004-10-14 C1 WILL APPLY AT PROP STRIKE OR OVERHAUL. AD 2003-14-03 DOES NOT APPLY BY FUEL PUMP MODEL NUMBER COMPRESSION TEST HOT #1 78/80 #2 78/80 #3 77/80 #4 78/80. CAPPED SPARK PLUGS, C.K. IN TIMING, REPAIRED ALTERNATOR BELT, CHANGED OIL AND FILTER. ADDED 7 QTS 15W50. Joseph D. Schuler 22102004
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7/21/04		516.4 161.3	1934.0	TOTALS brought forward from previous page <i>OK'D ADSTHAW</i> <i>REVISUN 2004/14. Ground Run NO LEAKS</i> <i>NOTED.</i>
				<i>I CERTIFY THAT THIS ENGINE</i> <i>HAS BEEN INSPECTED PER AN ANNUAL INSPECTION</i> <i>AND FOUND TO BE, IN AN AIRWORTHY</i> <i>CONDITION</i> <i>Lowman 22162874</i>
9/12/04			1982.9	<i>CHANGED OIL AND FILTER CH48103-1</i> <i>8515 SITTAL 15W50 ADDED FAIR</i> <i>GROUND RUN LEAKS CLEARED GOOD</i> <i>Lowman 22162874</i>
OCTOBER 14, 2004			2019.4	<i>TACH.</i> <i>CHANGED OIL & FILTER - 8515-50</i> <i>& 1 IN CH 48103 FILTER. REMOVED</i> <i>& RESEALED & RESEALED LOOSE DIPSTICK</i> <i>HOUSING. RETIGHTENED ALTERNATOR BELT</i> <i>Tom Sabat 93445544 HP.</i>
NOVEMBER 30, 2004			1666.4	<i>867.5 TACH 2055.8</i> <i>CHANGED OIL & FILTER - 1 CH48103, &</i> <i>8515-50 (new). Run to leak check</i> <i>Tom Sabat 93445544 HP.</i>
				SUB-TOTALS this page TOTALS —Carry forward to next page

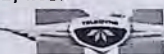
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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January 5, 2005			TACH 2057.2	TSMOH 284.5
				ENGINE REMOVED FOR BIRDSTRIKE INSPECTION
THIS DATE				
				Tom S. Lutz 934455441A

MAKE LYCOMING MODEL ID-360-A1B6D SERIAL No./N No. L-27321-51ATOTAL TIME 284.5 SMH TACH READING 2057.2 DATE 7 FEB 05

THIS ENGINE WAS DISASSEMBLED, CLEANED, INSPECTED, REPAIRED AS NECESSARY AND REASSEMBLED. TEST RUN O.K. THIS DATE.

A.D. 04-10-14 clw by insp. crank gears, torquing BDT to 660 in. lbs, reassembling bracket properly as per S.B. 475c. A.D. 02-26-01 clw by securing F.I. Inj. & A.D. 02-12-07 clw by installing wash gasket. A.D. 90-04-02 clw by insp. link & fittings. This engine is airworthy with respect to the work performed.

AND IS APPROVED FOR RETURN TO SERVICE.

TELEDYNE MATTITUCK SERVICES, INC.
FAA Repair Station T10R507Y
W.O. No. 31323

Authorized Signature

WORK ORDER

Work Order No. 31323 Customer NORTH American Flt. ServicesPart No. ID-360-A1B6D Serial No. L-27321-51ANomenclature LYCOMING HIRSHFELD ENGINEDescription of work performed INSPECTED FOR SUDDEN STOPPAGE
REPAIRED AS NECESSARY
AND TEST CELL RUN

All work performed in accordance with applicable manufacturer's maintenance and parts manuals.

Date 7-7-2005 Signed
TELEDYNE MATTITUCK SERVICES, INC. FAA Repair Station T10R507Y

TOTALS—Carry forward to next page

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MARCH 3, 2005.				TACH 2057.4. TS=40H 2847. Eng. INSTALLED ON AIRFRAME. IACB LESSNA manual ENGINE ground run for performance & leak checks. BOOTS SO MANUAL OIL installed Engine approved for return to service. Tom Lelst 93445544AP
April 13, 2005				TACH 3089.9 CHANGED ENGINE OIL & FILTER. INSTALLED 7 QTS 20-50 TYPCOM OIL & 1ea CH 48103 FILTER ASSY. Inspected Engine for LEAKAGE condition. Aft returned to Service Tom Lelst 93445544AP.
JUNE 21, 05				2121.9 TACH OIL & FILTER changed. BOOTS AND HELL 15-50 r 1ea CH 48103 Filter. Aft returned To Service Tom Lelst 93445544AP.
6/21/05	AD	2004-10-14	C/W	2-7-2005 2082-26-01 Q/W BY INSPECTION of JET INJECTOR June 21, 05 Tom Lelst 93445544AP
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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MARCH 12, 2006			TACH 22416 TSMOH 468.9.	ENGINE inspected for annual inspection. Compression #1 74/80 2-72/80 3 74/80 4 77/80. Cleaned all spark plugs & gapped. Cleaned lead tips TIMED mag-checked points. Inspected fuel system. Inspected Exhaust for condition & leaks. Controls inspected. Engine mount inspected for condition. Engine watched Performance was c/w. A/c returned to service. See signature for AD's. Certify this engine is in good condition for an annual inspection and is determined to be in satisfactory condition Tom Sargent 934455441A.
April 16 2006			TACH 22608	ENGINE OIL change C/O INSTALLED 1cc CH48103-1 Sells & 70TS 1550 ACOSHELL. FILTER inspected for metal or contaminants & found none. SAMPLE TAKEN A/c returned to service. Tom Sargent 934455441A
June 11, 2006			2289.9	checked engine for Emergency Landing complaint #1-2 c/w problem- Results - Ram Engine could not duplicate problem. Removed all spark plugs cleaned-gapped-Tested & reinstalled- checked Timing- inspected fuel system- Ram engine again at all power settings, magcheck OK, 2500 RPM STATIC obtained, idle OK. NO problem found Aircraft returned to service Tom Sargent 934455441A

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June 29, 2006			2285.6 TACH	522.9 SMOH 100.5 STO H OIL & FILTER change c/w. 8 qts 15-50 & 1 ea CH 48103-1 FILTER. Ran Engine for leaks - Adjusted mixture & idle. cleaned engine & recovers. Aircraft returned to owner Tom Slat 93445544 AP 132.1 STO H
August 24, 2006			TACH 2327.5 / (31.6)	554.5 SMOH changed oil & FILTER ASSY 8 qts 15-50 Aeroshell & 1 ea CH 48103-1 FILTER ASSY. Aircraft returned to owner. Tom Slat 93445544 AP.
9/21/06			Tach 2341.0	Changed oil & filter, cleaned Suction Screen Serviced 7 qts 15W50W Aeroshell oil, cleaned & capped all Spark Plugs, Reinstalled Raffle wire - Shawn Hannah IH32408523
10/23/06	588.2	2341.2	Date: 10/23/06 Tach 2361.2	Fin. I certify that this aircraft has been inspected in accordance with a <u>FAA</u> inspection and was determined to be in airworthy condition. By: <u>Shawn Hannah</u> AEP 36498323 (IA) 1) Compression 72 ¹ / ₈₀ 74 ² / ₈₀ 70 ³ / ₈₀ 74 ⁴ / ₈₀ 2) Changed oil & filter Serviced with 7 qts 15W50W Aeroshell oil 3) Repaired Broken Raffle Left Front 4) Replaced/Installed new Carburetor heat duct hose & Intake Scoot hose
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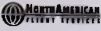
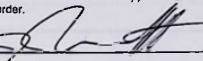
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10/23/06		588.7	2361.2	5) Rewired prop safety wire with correct size 6) clw 2002-26-01 by Insp. per MSR # 342 D - One way Annual Oil Line Removal 7) clw Inspection IAW Cessna 177 RG Service Manual Insp. Checklist 8) Replaced High tension lead spring on # 2 lower leg ————— End —————
11/22/06	1720.2	597.2	2369.9	CLEANED # 4 SPARK PLUGS (Bottom oil fouled) MAG ck Good. <i>John Phelan</i> PP56440670
12/22/06	1722.3	604.3	2377.0	Removed # 4 cylinder seal oil & re- inst. Piston & rings Reinstalled Replaced cylinder v/c 61479 See Tag - changed oil & filter - cleaned suction screen & drained oil cooler, serviced 8 qt new 5W Phillips oil - installed Replaced cylinder heater on all cylinder & Tied into Sump heater - <i>John Phelan</i> IA56408523
1/8/07		2382.5		Installed 8 new Spark Plugs URHIN 3AE - Installed new Bracket Air Filter Element - BA 5705 Run up ok - <i>John Phelan</i> IA 56408523
				SUB-TOTALS this page
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6/6/07	1804.3	6803	2454.0	Date <u>6/6/07</u> Tach <u>2454.0</u> hrs I certify that this aircraft <u>engine</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. <u>was determined to be in airworthy condition.</u> By: [Signature] [Name] [Address] 1) Comps $75\frac{1}{80}$ $70\frac{2}{80}$ $74\frac{3}{80}$ $75\frac{4}{80}$ 2) Changed oil & filter cleaned suction screen serviced 7QT 20W50W Phillips oil - cut open filter no metal found. 3) Removed Starter Installed new Bendix Drive EBB75A - Reinstalled. 4) Removed Throttle Servo - sent out to D4G Supply - for Repair ^{week order} # 17067 Reinstalled & adjusted mixture + Idle. 5) C/W 2002-26-01 by Insp per M/SB # 3420 - ok at this time Due Next ^{month} at this time Renewal 6) New Air Filter Element Installed - 7) C/W Inspection IAW CESSNA 177RG Service Manual Insp Checklist - _____ Fuel _____ <u>Sam Hume</u> TA50408522
8/8/07	1838	715	2487.7	Changed oil & filter cleaned Suction screen - serviced with 7QT 20W50W Phillips oil - Run up check for leaks o.k. <u>Sam Hume</u> TA50408522
				SUB-TOTALS this page
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2/2/07			2525.5	Serviced engine with 7 qts of Phillips 20w/50. Replaced oil filter p/n 4P148103. Ground run engine no leaks noted. RRs 55562381 1400
11/26/07	1905.1	782.1	2554.8	On: 11/26/07 Tach 2554.8 Hrs. Locally that this engine engine has been inspected in accordance with an Annual inspection and was determined to be in working condition. <u>John Numb</u> AEP 53408523A
				1 Comp 74/80 73/80 75/80 77/80 79/80 81/80 2) Charged oil & filter. Cleaned screen. Serviced 7 qts 20w 50w Phillips oil. 3) Clw Insp. 2002-26-01 by Insp AECNSB #3420 ok at this time due next Annual or when line is removed 4) Installed new Air/Filt. Element - 5) Installed new Gami fuel Injectors to Return Engine - See S/N 9107 6) Clw Insp. IAW cessna 177RG Service Manual Inspection Checklist Encl
3/18/08		801	2573.7	Clw AD 2008-06-51 per AD & Precision Aviation SR PPS-107 - Check nut for looseness & safety wire - no looseness found & safety wire ok - Due next oil change or Tach 2623.7 <u>John Numb</u> IASG408523
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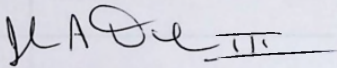
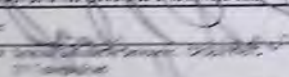
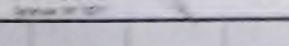
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				TOTALS brought forward from previous page
10/2/08	2011.3	888.3	2661.0	Date: <u>10/2/08</u> Tach <u>2661.0</u> Hrs. I certify that this aircraft engine has been inspected in accordance with an <u>Annual</u> inspection and was determined to be in airworthy condition. By: <u>James Hildenbrand</u> A&P 564085231A 1) Compress 73¹/₈₀ 72²/₈₀ 76³/₈₀ 76⁴/₈₀ 2) C/W AD 2008-08-14 by Insp per PRS 107 OK at this time Plug tight & Jetway wire installed per 27110 3) C/W AD 2008-14-07 per AD & MSA 342E OK at this time One wet ANNUAL or when line is removed 4) Installed new Valve Cover Gaskets # 14.3 cylinders 5) Installed new Air Filter Element 6) C/W Insp. JIAW Cessna 177RG Service Manual Insp. checklist <u>End</u>
				ENGINE MODEL: IO-360-A1B80 ENGINE SN: 1-27321-51A REG. NO: N52713 WORK ORDER: 1960-01-2009  NORTH AMERICAN FLIGHT SERVICES North American Flight Services Repair Station No. N0MR725J 405 Greenfield Avenue Babylon Spa, NY 12020 Phone: 516-885-5470 DATE: 01/08/09 A/C TEN: ENG TT: TACH: 2691 Engine Entries DRAINED OIL AND INSPECTED FILTER. NO DISCREPANCIES NOTED AT THIS TIME. REPLACED OIL FILTER WITH NEW TEMPEST AA48103 AND OIL WITH 8 QUARTS PHILLIPS X/C 20W50. VISUALLY INSPECTED ENGINE AND ENGINE COMPARTMENT FOR ABNORMALITIES. NO DISCREPANCIES NOTED AT THIS TIME. PERFORMED ENGINE GROUND RUN. OPS AND LEAK CHECKS SATISFACTORY. The aircraft engine identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration and the manufacturer's maintenance procedures and is approved for return to service. DATE: 01/08/09 SIGNED: <u>James Hildenbrand</u> Work Order: 1960-01-2009 Certified Repair Station No. N0MR725J Printed by EBIS 3 (datamedia.com)
4/2/09			2731.6	Changed oil & filter serviced 704s 20W50W Phillips oil cut new filter OK c/w 2009-02-03 by installing new Gasket & PRS-107 Rivet P/N 2577258 on fuel servo per AD - Stamp Plug with Leister G - Run up No leaks, Runs Good - <u>James Hildenbrand</u> TA56408523
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

No. _____

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTAL brought forward from previous page
			MAKE: CESSNA MODEL: RG177 SN: 177RG1255 REG. NO: N52713 WORK ORDER: 1960-01-2009  North American Flight Services Repair Station No. NOMR725J 405 Greenfield Avenue Ballston Spa, NY 12020 Phone: 518-885-5470 DATE: 01/08/09 A/C TSN: TACH: 2891 Airframe Entries SECURED LOOSE HARNESS CONNECTION ON BACK OF GEM ENGINE MONITORING SYSTEM. OPS CHECK SATISFACTORY.... DRAINED OIL AND INSPECTED FILTER. NO DISCREPANCIES NOTED AT THIS TIME. REPLACED OIL FILTER WITH NEW TEMPEST AA48103 AND OIL WITH 8 QUARTS PHILLIPS X/C 20W50. VISUALLY INSPECTED ENGINE AND ENGINE COMPARTMENT FOR ABNORMALITIES. NO DISCREPANCIES NOTED AT THIS TIME. PERFORMED ENGINE GROUND RUN. OPS AND LEAK CHECKS SATISFACTORY.... C/W AD2008-08-14 BY THE GUIDELINES OUTLINED IN THIS AD. NO DISCREPANCIES NOTED AT THIS TIME. NEXT DUE AT 2741.0 TACH. The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Further details are on file at this repair station under the above work order. DATE: 01/08/09 SIGNED:  Jamie Hildenbrandt Certified Repair Station No. NOMR725J Work Order: 1960-01-2009 Printed by EBIS 3 (datacomedia.com)
1/22/09	2891.4		T/S handling gear sys. Found RT MLC. Reel switch to be loose; readjusted RT MLC. Reel switch into Cessna unit serviced. Hyd as required with M.I. H-5000. Performed several gear swings ops check good. R/R 55562381 LTH
6/18/09	2749.9		I certify that this Airframe has been inspected within Annual inspection and has been determined to be in an airworthy condition. Inspected all exterior hinges. Checked all flight control for freedom of movement. Checked all exterior lights - w/ AD 57-20-03P2 r/t. Battery due date 1/12. Ground run ok no defects noted since repair for engine. R/R 55562381 LTH/PLW
			SUB-TOTAL this page
			TOTAL —Carry forward to next page

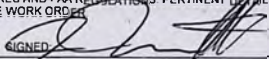
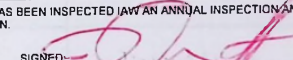
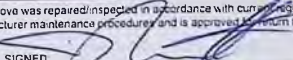
DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
9/1/09	2802.0		Cleaned Gear warning horn switch & Repair wire - <i>Jim Hambl</i> JA 56408525
9/10/09	2802.7		Remove Gear warning horn switch - Cleaned & Reinstalled & Rigged per 177RG Maintenance Manual - checks ok <i>Jim Hambl</i> JA 56408525
MAKE: CESSNA MODEL: RG177 S/N: 177RG1255 REG. NO: N52713 WORK ORDER: 2288-01-2010 North American Flight Services Repair Station No. NOMR725J 405 Greenfield Avenue Ballston Spa, NY 12020 Phone: 516-885-5470 DATE: 1/15/2010 A/C TSN: 2847.8 TACH: 2847.8 Airframe Entries REPLACED R/H DOOR HANDLE WITH NEW P/N 0517008-2C AND CLIP P/N 0511189-1 I/AW CESSNA 177RG M.M. OPS CHECK SATISFACTORY The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and the aircraft/engine/propeller/appliance manufacturers maintenance manual instructions and procedures. This aircraft is approved for return to service with respect to the above work performed. Further details are on file at this repair station under the work order number reflected on this log entry. DATE: 1/15/2010 SIGNED: <i>Jim Hambl</i> Jamie Hildenbrandt Certified Repair Station No. NOMR725J Work Order: 2288-01-2010 Printed by EBIS 3 (datacommedia.com)			
1/22/10	2854.3		Added brake fluid to R & L brakes As the maintenance manual <i>2631645</i>
MAKE: CESSNA MODEL: RG177 S/N: 177RG1255 REG. NO: N52713 WORK ORDER: 2288-01-2010 North American Flight Services Repair Station No. NOMR725J 405 Greenfield Avenue Ballston Spa, NY 12020 Phone: 516-885-5470 DATE: 1/22/2010 A/C TSN: 2850.8 TACH: 2850.8 Airframe Entries INSPECTED NLG AND FOUND SHIMMY DAMPENER TO BE IN-OP. RE-PACKED NLG SHIMMY DAMPENER ASSEMBLY I/AW CESSNA 177RG M.M. OPS CHECK OF SHIMMY DAMPENER SATISFACTORY AT THIS TIME. The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and / or inspected in accordance with current regulations of the Federal Aviation Administration and the aircraft/engine/propeller/appliance manufacturers maintenance manual instructions and procedures. This aircraft is approved for return to service with respect to the above work performed. Further details are on file at this repair station under the work order number reflected on this log entry. DATE: 1/22/2010 SIGNED: <i>Jim Hambl</i> Jamie Hildenbrandt Certified Repair Station No. NOMR725J Work Order: 2288-01-2010 Printed by EBIS 3 (datacommedia.com)			

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
6/15/01			2769.9	Facility and this Engine has been inspected with a visual inspection and has been determined to be in an airworthy condition. Checked engine timing after mag replacement. cleaned gapped tested and rotated spark plugs. Serviced engine with 8 qts of oil. Replaced upper gasket in fuel flow divider. R+R reinstalled jam injection. Installed temperst oil filter AA1 48103. w/ oil 2005-05-14 and AD# 2005-14-07. Ground on engine in defects noted. 1. $\frac{76}{80}$ 2. $\frac{73}{80}$ 3. $\frac{77}{80}$ 4. $\frac{74}{80}$ 12R 55562351440
8/28/01			2801.4	Changed oil & Filter, cleaned suction screen. Serviced 2 Qts 20w 50w Phillips oil, Tightened #3 Rocker Box Cover Screw. Run up no leaks - <i>Shawn Hannah</i> IA56408523
11/23/01			2836.9	Changed oil & Filter, cleaned suction screen. Serviced 7 Qts 20w 50w Phillips oil - Run up no leaks <i>Shawn Hannah</i> IA 56408523
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5/11/10 TACH TIME <u>1872.2</u>				LYCOMING ENGINE MODEL IO360A1B6D S.N. L-27321-51A DISASSEMBLED AND INSPECTED FOR WORN CAMSHAFT (INTAKE LOBE CYLINDERS 1 & 2), CRANKSHAFT, GEARS AND RODS MAGNAFLUX INSPECTED, CYLINDERS INSPECTED, RESEAT INTAKE VALVE # 2 CYLINDER, HONE ALL BORES (STD. NITRIDE), FIT NEW PISTONS AND RINGS, POLISH CRANKSHAFT AND INSPECT. ENGINE REASSEMBLED WITH REFERENCE TO LYCOMING DIRECT DRIVE OVERHAUL MANUAL, TABLE OF LIMITS, PC-406-1 PARTS CATALOG ALONG WITH APPLICABLE SERVICE BULLETINS USING PARTS BELOW. NOTE: NO FUEL INJECTION LINES INSTALLED AT THIS REPAIR (WHEN INSTALLED COMPLIANCE WITH A.D. 08-14-07 IS MANADORY REF. LYCOMING M.S.B.342E) NOTE: THE GAMI INJECTORS WILL NEED RECALIBRATION (LOW COMPRESSION PISTON (LW10545) WAS PREVIOUSLY INSTALLED IN CYLINDER # 4) PARTS: 8 18M23887 BRG., 8 LW12596 ROD BOLT, 8 SL12186 NUT, 1 AN8-14A BOLT, 1 SL12944 GASKET SET, 2 73810 BUSHING, 8 SL71907 PLATE, 8 LW14820 SNAP RING, 2 SL14W21696 ROLLER, 2 72797 ROLLER, 2 18A26093 BRG., 4 18D23135 BRG., 4 73777 NOZZLE, 8 72877 TAPPET BODY (CERTIFIED BY AIRCRAFT SPECIALTIES W.O. 179731, 1 AEL11795 CAMSHAFT (CERTIFIED BY AIRCRAFT SPECIALTIES W.O. 178244), 8 15B26066 PLUNGER, 1 MS16625-1 SNAP RING, 2 LW14078 PISTON PIN, 8 72198 PIN PLUG (ALUM. BRONZE), 4 ASC10207 PISTON, 1 06B23072 GASKET, 8 M674 GASKET, 1 CH48103 FILTER, 1 LW10342 OIL PUMP BODY, A.D.'S C.W. 90-04-06R1 X GOVERNOR LINE SECURED REF S,B, 488A 02-12-07 N.A. X 06B23072 GASKET INSTALLED REF. M.S.B. 543B 04-10-14C1 N.A. X NOT A PROP STRIKE INSPECTION BUT IS IN COMPLIANCE WITH M.S.B. 475C X INSPECTION AND SCALLOPED GEAR INSTALLED ALONG WITH NEW AN8-14A BOLT AND TAB-LOC, BOLT TORQUED 55FT/LBS AND TAB-LOC BENT 08-14-07 NEEDS COMPLIANCE AT ENGINE INSTALLATION I CERTIFY THAT THE ABOVE REPAIR WAS PERFORMED AND INSPECTED IN CONFORMANCE WITH F.A.A. REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE DETAILS ON FILE AT PINE MOUNTAIN AVIATION L.L.C. W.O. 1377 TEL. 203-730-0771  P41508881 AUTHORIZED SIGNATURE
Syracuse Executive Air Service, Inc.				Engine
Reg #: 52713	Make: CESSNA	Model: CARDINAL RG	Tach: 2811.6	
AC S/N: 177RG1255	ACTT:	Hobbs: 1812.0	TSN:	
M/N:	S/N:	TSO:		
1: MAGNETO REMOVED SENT FOR REPAIR REINSTALLED TIMED RUN UP OPS CHECK OK 2: REPAIRED BOTH P LEAD ENDS				
All work performed (All current FAA regulations and current manufacturer technical data. This article is unworthy with respect to the work above. For those items performed, see work order or its own repair order.				
Signature 		Date 05/11/2010	Work Order 6500	
Signature 		EXECAIR		

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				ENGINE MODEL: IO-360-A186D ENGINE S/N: L-27321-51A REG. NO. N52713 WORK ORDER: 2439-05-2010 North American Flight Services Repair Station No. NOMR725J 405 Greenfield Avenue Ballston Spa, NY 12020 Phone: 518-885-5470 DATE: 13 July, 2010 A/C TSN: _____ ENG TT: _____ TSMOH: 1099.5 TACH: 2872.2 <i>Was not out in End Time</i> Engine Entries INSTALLED THIS ENGINE AFTER REPAIR BY PINE MOUNTAIN AVIATION (W.O. 1377). ADDED 9QTS AEROSHELL 100 MINERAL OIL. INSTALLED OVERHAULED PROPELLER GOVERNOR P/N C290D3K712, S/N 771070 AND NEW PROPELLER GOVERNOR CONTROL CABLE ROD END, P/N S1104-3. C/W LYCOMING SERVICE INSTRUCTION 1438A BY INSTALLATION OF PLATE/GASKET P/N LW-12347 & GASKET P/N 72053. REPLACED 4 EA. ENGINE SHOCK MOUNTS WITH NEW P/N J-9613-59. INSTALLED OVERHAULED OIL COOLER P/N 8406J, S/N 5076. C/W AD 2008-14-07. NO DISCREPANCIES NOTED. ALL WORK PERFORMED I/A/W CESSNA RG177 MM. LYCOMING ENGINE MM. AND APPROPRIATE SERVICE INSTRUCTION PROCEDURES. NOTE: ENGINE POST INSTALLATION RUN UP AND BREAK-IN PROCEDURES TO BE COMPLETED BY CUSTOMER/OWNER OR CUSTOMER/OWNER REPRESENTATIVE. REPLACED #3 CYL OIL RETURN TUBE WITH NEW P/N 74808 THE ENGINE IDENTIFIED ABOVE HAS BEEN INSTALLED IN ACCORDANCE WITH CURRENT AIRCRAFT MANUFACTURER PROCEDURES AND FAA REGULATIONS. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER THE ABOVE WORK ORDER DATE: 13 July, 2010 SIGNED:  Work Order: 2439-05-2010 Jamie Hildenbrandt Certified Repair Station No. NOMR725J Printed by EBis 3 (datamedia.com)
				ENGINE MODEL: IO-360-A186D ENGINE S/N: L-27321-51A REG. NO. N52713 WORK ORDER: 2528-07-2010 North American Flight Services Repair Station No. NOMR725J 405 Greenfield Avenue Ballston Spa, NY 12020 Phone: 518-885-5470 DATE: 16 July, 2010 A/C TSN: 2.6 ENG TT: 2.8 TSMOH: 1102.3 TACH: 2875 Engine Entries CUT OPEN OIL FILTER AND INSPECTED OIL SUCTION SCREEN. NO ABNORMALITIES NOTED AT THIS TIME. ADJUSTED PROPELLER HIGH SPEED RPM I/A/W CESSNA 177RG M.M. OPS CHECK GOOD. I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/A/W ANNUAL INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. DATE: 16 July, 2010 SIGNED:  Work Order: 2528-07-2010 Jamie Hildenbrandt Certified Repair Station No. NOMR725J Printed by EBis 3 (datamedia.com)
				ENGINE MODEL: IO-360-A186D ENGINE S/N: L-27321-51A REG. NO. N52713 WORK ORDER: 2292-01-2010 North American Flight Services Repair Station No. NOMR725J 405 Greenfield Avenue Ballston Spa, NY 12020 Phone: 518-885-5470 DATE: 1/29/2010 A/C TSN: 2850.2 ENG TT: 12.5 TACH: 2802.8 Engine Entries INVESTIGATED POSSIBLE ENGINE OIL LEAK. CLEANED ENGINE COMPARTMENT. ENGINE RUN-UP PERFORMED. NO LEAKS NOTED AT THIS TIME. SUSPECTED OIL FROM OIL FILLING PROCESS. The aircraft engine identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration and the manufacturer maintenance procedures and is approved to return to service. DATE: 1/29/2010 SIGNED:  Work Order: 2292-01-2010 Jamie Hildenbrandt Certified Repair Station No. NOMR725J Printed by EBis 3 (datamedia.com)
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
August 3, 2010				Tach Time 2877.6
				TOTAL TIME SINCE 1104.9 ENGINE INSPECTED FOR
				ANNUAL INSPECTION - COMPRESSION TEST COMPLETED AND ALL
				FOUND TO BE ABOVE 75/80. Lining checked and found to
				BE AS REQUIRED per cyc/cosma maintenance. oil &
				filter previously checked 2875 TACH. BY NAFS DATA.
				16 July 2010. Ad 8-14-07 Insp of fuel injection
				lines completed work as per Lye MSB.342E.
				As previously installed Engine mount - Load mounts &
				hardware inspected. Engine run for leak check &
				performance & found to be operating as required.
				Engine inspected IACs annual inspection & found to
				be in acceptable condition
				Tomatale 934455447M
9/14/10			2889	Serviced engine with 8qt of
				Amsoil 100wt mineral oil
				replaced oil filter CH48103-1
				R/R 55562381 VAF
11/25/11			2929	Serviced engine with 8qt of Amsoil 15w/50
				Replaced oil filter CH48103-1
				R/R 55562381 VAF
3/25/11			2948	Serviced engine with 8qt of Amsoil 15w/50
				No filter changes
				R/R 55562381 VAF
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
June 9, 2011		TACH 2985.0	TS40H 1212.3	ENGINE INSPECTED FOR ANNUAL INSPECTION. COMPRESSIONS ALL ABOVE 75/80 COLD CHECK. ALL SPARK PLUGS REMOVED-CLEANED AND GAPPED. REPAIRED LF EXHAUST PIPE. TIMING CHECKED. REPLACED OIL FILL TUBE GASKET. FUEL SYSTEM STRAINER CLEANED. CLEANED & REOILED ENGINE AIR FILTER. FUEL INJECTION LINES INSPECTED AS PER AD 2002-26-01 AS PER LVC SF MSB342E. OIL & FILTER REPLACED AT THIS TIME. INSTALLED 8 QTS Aero Shell 15-40. OIL SAMPLE TAKEN & SENT TO BLACKSTONE
				I certify this engine has been inspected in accordance with an annual inspection and determined to be in airworthy condition. Jim Slat 93445544 1A
August 11, 2011		TACH 3023.1	1250.3 SH40H	Completed Engine oil & filter change 7 QTS Aero Shell 15-40. Jim Slat 93445544 AP.
November 14, 2011		TACH 3061.6	Hells 2150.4	Aircraft inspected for annual inspection. Compression all above 75/80. Timing checked, cleaned spark plug leads. Fuel Injection lines inspected per AD 2002 26 01. oil & filter change completed. 7 QTS Aero Shell 15-50. Mount & fasteners insp. Replaced baffles. Engine Run Test. Inspected. I certify this engine has been inspected and is determined to be in airworthy condition. SUB-TOTALS this page TOTALS—Carry forward to next page Jim Slat 93445544 1A

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

ENGINE MODEL
ENGINE S/N
REG NO N52713
WORK ORDER
0126-03-2012



Hilt Aviation

6 Jetway Drive
Albany, NY 12211
Phone: 518-470-9779

DATE: 3/16/2012
A/C TSN:
ENG TT:
TACH: 3079.2

Engine Entries

(1) DRAINED OIL, CUT OPEN AND INSPECTED OLD FILTER, NO ABNORMALITIES NOTED. SERVICED WITH (8) QTS. AEROSHELL 15W50 OIL, INSTALLED NEW AA48103-2 OIL FILTER. GROUND RUN LEAK CHECK SATISFACTORY.

Maintenance Release

The aircraft and/or component(s) on N52713 was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair shop under Work Order No. 0126-03-2012, Dated 3/16/2012

DATE: 3/16/2012

SIGNED

Jamie Hidenbrandt, A&P 3039160

Work Order: 0126-03-2012

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1 of 1

April 18, 2012

TACH 3092.9

INSTALLED NEW BRACKETT BA 5705 AIR FILTER
ELEMENT. Tim Parata 93445544AP

June 8, 2012 TACH 3106.8 Hells

oil - filter change (4qt) 8qt 15-50 & 1 quart
48103-2 filter worked engine fuel control
ground run completed Tim Parata 93445544AP

[illegible]

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				1977 Cessna 177RG N52713 Date: 02/07/2014 Lyc IO-360-A1B6D s/n:L-27321-51A Installed 12/23/03 Tach Time: 3231.7 hrs Total Time: 2582.0 hrs TSOH: 1459.0 Magneto Bendix 10-682555-11 Cyl # 1 2 3 4 1. Compressions 77/80 76/80 77/80 78/80 2. Performed Inspection IAW Cessna 177RG SM Inspection Check List 3. CW AD2011-26-04 Fuel Line Clamps due 100Hrs I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Signature: <u>Dennis P. Conway</u> Date: <u>2/6/14</u> FAA#: A&P 33527671A
				1977 Cessna 177RG N52713 Date: 04/10/2014 Lyc IO-360-A1B6D s/n:L-27321-51A Installed 12/23/03 Tach Time: 3260.3 hrs Total Time: 2610.6 hrs TSOH: 1487.6 Magneto Bendix 10-682555-11 Drained oil, removed and inspected oil filter. No discrepancies observed. Added 7 qts Aeroshell 15W50 installed new filter, Tempest AA48103-2. Performed engine ops check. No leaks or discrepancies observed. Worked performed I/A/W Cessna MMi and standard practices. Signature: <u>Dennis P. Conway</u> Date: <u>4/10/14</u> FAA#: A&P 33527671A

ENGINE MODEL:
0-320-D2J
ENGINE SN: L-11370-39A
REG NO: N52713
WORK ORDER
0709-04-2014



Hilt Aviation

22 Jetway Drive
Albany, NY 12211
Phone: 518-618-0750

DATE: 5/2/2014
A/C TSN:
ENG IT
TACH: 3262.1

Engine Entries

(1) R&R DUAL MAGNETO WITH OVERHAULED PN: 10-682555-11 SN: G031A063 FROM AIRMARK OVERHAUL, INC. SEE FAA FORM 8130-3 DATED 30/APR/2014 UNDER WO: 44200. INSTALLED (2) CAPACITOR PWS: 10-400574. TIMED MAGNETO TO ENGINE AS REQUIRED. GROUND OPS AND LEAK CHECK SATISFACTORY.

Maintenance Release

The aircraft and/or component(s) on N52713 was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair shop under Work Order No: 0709-04-2014. Dated 5/2/2014

DATE: 5/2/2014

SIGNED [Signature]

Work Order: 0709-04-2014

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
6/16/14			3298.0	DRAIN OIL, REMOVED & INSTALLED FILTER. NO DISCREPANCIES OBSERVED. ADDED 7 QTS AEROSHELL 15W50. INSTALLED NEW FILTER. PERFORMED ENGINE OPS CHECK. NO LEAKS OR DISCREPANCIES OBSERVED. WORKED PERFORMED IAW CESSNA MM AND STD PRACTICES. Dennis P. Murray AEP 3352767 IA
7/1/2014			3303.2	REMOVED OIL PRESS. RELIEF VALVE. INSTALLED NEW RELIEF VALVE PIN 1L 77808. TEST RAN OIL PRESSURE GAGE SHOWED PROPER RANGE Dennis P. Murray AEP 3352767 IA
7/1/2014			3303.3	ATTACHED OIL TEMP SENSOR WIRE TO SENSOR Dennis P. Murray AEP 3352767 IA

1977 Cessna 177RG N52713 Date: 09/21/2014
 Lyc IO-360-A1B6D s/n: L-27321-51A Installed 12/23/03
 Tach Time: 3338.8 hrs Total Time: 2689.1 hrs TSOH: 1566.1
 Magneto Bendix 10-682555-11, s/n G031A063.

1. Removed fuel injectors, cleaned and reinstalled
2. Drained oil, removed and inspected oil filter. Removed lower oil screen, inspected, cleaned and reinstalled with new washer. No discrepancies observed. Added 7 qts Aeroshell 15W50 installed new filter, Tempest AA48103-2. Performed engine ops check. No leaks or discrepancies observed. Worked performed IAW Cessna MM and standard practices
3. Cleaned, gapped, new gaskets and rotated spark plugs.
4. Tightened valve oil drain clamps.

Signature: Dennis P. Murray
 FAA#: A&P 93445544A

Date: 09/21/2014

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1977 Cessna 177RG NS2713 Date: 09/21/2014
Lyc IO-360-A1B6D s/n:L-27321-51A Installed 12/23/03
Tach Time: 3338.8 hrs Total Time: 2689.1 hrs TSOH: 1566.1
Magneto Bendix 10-682555-11, s/n G031A063.

Cyl # 1 2 3 4

1. Compressions 76/80 68/80 78/80 78/80
2. Performed Inspection IAW Cessna 177RG SM Inspection Check List
3. CW AD2011-26-04 Fuel Line Clamps due 100Hrs

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Signature: Dennis A. H. [Signature] Date: 09/21/2014
FAA#: A&P 33527671A

