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# Engine Maintenance Log

# AIRCRAFT AND ENGINE DESCRIPTION

|                             |                            |                          |                              |
|-----------------------------|----------------------------|--------------------------|------------------------------|
| Cessna                      |                            |                          |                              |
| Aircraft Mfr.               | Model                      | Serial                   | Registration                 |
| Engine Mfr. <i>Lycoming</i> | Type <i>H-opposed</i>      | Model <i>IO-360-A1B6</i> | Serial No. <i>L-7872-S1A</i> |
| Rated H.P. <i>200</i>       | Maximum H.P. <i>200</i>    | Weight (Dry)             |                              |
| Rated R.P.M. <i>2700</i>    | Maximum R.P.M. <i>2700</i> | Oil Pressure             |                              |
| Bore                        | Stroke                     | Displacement             | Cu. In.                      |
| Owner's Name                |                            |                          |                              |
| Address                     |                            | City State               |                              |

## INSTRUCTIONS

- 1) All Engine Maintenance is to be recorded on the Log Sheets provided in this Log Book.
  - 2) The column headed "Description of Inspection, Repair and Overhaul" is particularly important, for in this column all the details concerning the following are to be entered:
    - a) Line and Periodic Inspection, Alterations, Repair and Overhaul.
    - b) When repairs or alterations necessitate submission of FAA Form 337, an entry is to be made in this column and the original of the Form 337 stapled at the back of this manual.
    - c) All entries must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.
  - 3) If the engine is removed from the aircraft, this Engine Log Book is to be transferred with the removed engine.
  - 4) Compliance with Service Letters and Airworthiness Directives applicable to the engine are to be recorded on the page at the back of this log.
- D5061-13

## ENGINE MAINTENANCE LOG

| DATE   | ACCUMULATED TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------|--------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1990   |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Apr 10 | 2438.4             |       | <p>Tach 2438.4 SMOH 122.4 STOH 23.5 SPOH 508.4</p> <p>Compression 1<sup>7</sup>/<sub>8</sub>0, 2<sup>7</sup>/<sub>8</sub>0, 3<sup>7</sup>/<sub>8</sub>0, 4<sup>7</sup>/<sub>8</sub>0. Oil drained, replaced Filter serviced with <del>Aeroshell</del> Phillips XCI. Plugs cleaned, gapped, tested &amp; rotated. Timing checked. Induction &amp; exhaust systems checked. Injector nozzles cleaned. Engine washed down, ran up, checked for leaks. Prop checked.</p> <p>SMOH 122.4 Total Time 2438.4</p> <p>Tachometer 2438.4 I certify that this (<del>engine</del>) (engine) has been inspected in accordance with a (<del>100</del>) (100 hour) inspection and was determined to be in airworthy condition.</p> <p>Dated 4/10/90 W.O. No. _____</p> <p>Signed <i>Bruce Lawrence A-P#475967102</i></p> <p style="text-align: right;">DATE 4-10-90 TACH 2438.4</p> <p style="text-align: right;">"I certify that this Engine has been inspected in accordance with a <del>100</del> inspection and was determined to be in Airworthy Condition."</p> <p style="text-align: right;"><i>Richard B. Smith</i></p> <p style="text-align: right;">FAA 480864969</p> <p>AD 78-09-07R3, impulse couplings due at 2789. TI on left mag.</p> <p>AD 90-04-06, to prevent governor oil line breakage C/W clamp installed.</p> |

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

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ALL DATA must be endorsed with the name, rating and certificate number of either the FAA  
Repair Station or the mechanic.

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|---------|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | Hours              | 10ths |                                                                                                                                                                                                                                                                               |
| 1991    |                    |       |                                                                                                                                                                                                                                                                               |
| 7-28    | 2566               | 3     | Removed Shell Non Detergent oil - Replaced EC 20-50 Broken oil and changed Filter - McJohnson 494-30-4268                                                                                                                                                                     |
| 8/19    | 2579.2             |       | Replaced Fuel pump with overhauled pump No 41234 S/N 9111005 From Aero Accessories INC (see tag dated 8-7-91) Buick Sauer #475767102                                                                                                                                          |
| 6/10/92 | 2627               | 4     | Replaced cyl no. 2 due to crack @ spark plug hole. Installed overhauled cylinder from ECI with new gaskets & seals, see maintenance release dated 6/10/92. Engine ran up, check for leaks. Buick Sauer #475767102                                                             |

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

| DATE    | ACCUMULATED TOTALS |       | 96.7 Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Repair Station or the mechanic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------|--------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1992    |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| July 17 | 2636               | 3     | Tach 2636.3 SMOH 320.1 TTP unknown SPOH 98.7<br>Compression 1 <sup>34</sup> / <sub>80</sub> , 2 <sup>7</sup> / <sub>80</sub> , 3 <sup>34</sup> / <sub>80</sub> , 4 <sup>78</sup> / <sub>80</sub> . Oil drained, replaced oil filter. old one checked, serviced with Phillip 20W50. Plugs cleaned, gapped, tested & rotated, timing checked. Induction & exhaust systems checked. Cylinders 1 & 4 removed, deglazed, & reinstalled. Cylinder 3 removed due to crack @ lower plug hole, installed overhauled unit from ECI, see maintenance release dated 7/13/92. Flow divider overhauled B+S Aircraft Parts, see release dated 6/30/92. Engine washed, run up, checked for leaks. AD 28-09-07R3 due @ 2289 Total on Bendix impulse couplings. AD 91-14-22, crankshaft gear, due @ overhauled or prop strike. |

SMOH 320.1 Total Time 2636.3  
Tachometer 2636.3 I certify that  
this (aircraft) (engine) has been inspected in accordance with a (annual) (100 hour) inspection and was determined to be in airworthy condition.  
Dated 7/17/92 W.O. No.  
Signed Buick Sauer #475767102

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# ENGINE MAINTENANCE LOG

| DATE<br>5-PT/<br>1994 | ACCUMULATED<br>TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Repair Station or the mechanic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|-----------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | Hours                 | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 9-1-94                | 2781.6                |       | <p>TACH Time 2781.6 Hrs Total ENGINE Time 2781.6 Hrs</p> <p>S/O.H. 465.3 Hrs. S.T.O.H. 242 Hrs PropT unknown</p> <p>Prop T.S.O. 244 Hrs. Compression Test #1 <math>\frac{74}{80}</math> #2 <math>\frac{70}{80}</math> #3 <math>\frac{67}{80}</math></p> <p>#4 <math>\frac{75}{80}</math>. Oil Filter changed by owner, New Bracket</p> <p>Air Filter element installed by owner, Inspected</p> <p>Exhaust &amp; Intake Systems. A.O. 78-09-07 R3 Berlin</p> <p>Impulse Inspection Due TACH 2789.0 Hrs.</p> <p>Date 9-1-94 Tach Time 2781.6 Hrs.</p> <p>Total Airtime, Engine Time 2781.6 Hrs.</p> <p>I certify that this <u>ENGINE</u> has been inspected</p> <p>in accordance with a <u>Annual</u> inspection and was</p> <p>determined to be in an Airworthy Condition.</p> <p>See W.O.# 008476 on permanent file</p> <p>at this Repair Agency. Signed <u>Jim [Signature]</u></p> |

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE AEP 485701760 1A

# ENGINE MAINTENANCE LOG

| DATE<br>19__   | ACCUMULATED<br>TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Repair Station or the mechanic.         |
|----------------|-----------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | Hours                 | 10ths |                                                                                                                                                                                                                                                                                       |
| 9-15-94        |                       |       | <p>TACH Time 2789.0 Hrs. C.W. A.O. 78-09-07 R3 By inspecting</p> <p>2-H. MAG Model #54LN-1227 S/N 818172F Impulse Coupling</p> <p>I.A.W. Bendix S.P.#599B. Fuel Inj Nozzle &amp; Lno</p> <p>cleaned. <u>Jim [Signature]</u> A:P 485701760</p>                                         |
| March 27, 1995 |                       |       | <p>Tach 2795.5 hrs, Removed Rear Accessory case, c/w</p> <p>A.O. 91-14-22 By Replacing crankshaft damper &amp; Bal &amp; Scalloped</p> <p>crankshaft Gear. Assembled Accessory case &amp; Installed Accessories</p> <p>Run-up checked OK. <u>Bill [Signature]</u> CR3, Rm 5R993mm</p> |
| 10-4-95        |                       |       | <p>Replaced insulation in doors + fuselage with aircraft</p> <p>insulation purchased from Mobney Corp to improve</p> <p>sound landing characteristics Victor Johnson 484-30-4368</p>                                                                                                  |

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|--------------|--------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 19 <u>97</u> |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Feb 1        | 2884.3             |       | <p>Tach 2884.3 SMOH 568.0 STO H 344.7 TTP unknown SPOH 88.</p> <p>Compression 1 <math>\frac{7}{8}</math>, 2 <math>\frac{4}{8}</math>, 3 <math>\frac{7}{8}</math>, 4 <math>\frac{7}{8}</math>. Oil drained, replaced oil filter &amp; checked old one, serviced with Hershell Mineral 65. No 2 cylinder overhauled by ECI, cylinder 1, 3, &amp; 4 removed, honed to remove glaze, pistons cleaned, No 4 piston replaced with new PIN LW-10207 replaced 2 piston pin plugs PIN 60828, installed ECI supplied ring sets PIN ST 203, installed cylinders using new gaskets &amp; seals. Installed Consolidated Fuel Systems overhauled Fuel servo, see release dated 11-20-96. Installed Aerotech overhauled, alternator, see release dated 10-09-96.</p> <p>SMOH 568.0 Total Time <u>2884.3</u></p> <p>Tachometer <u>2884.3</u> I certify that this (<del>engine</del>) (engine) has been inspected in accordance with a (annual) (<del>100 hour</del>) inspection and was determined to be in airworthy condition.</p> <p>Dated <u>2/1/97</u> W.O. No. _____</p> <p>CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE</p> |

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|--------------|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 19 <u>98</u> |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Mar 31       | 2910.4             |       | <p>Tach 2910.4 SMOH 594.1 STO H 370.8 TTP unknown SPOH 114.9</p> <p>Compression 1 <math>\frac{7}{8}</math>, 2 <math>\frac{7}{8}</math>, 3 <math>\frac{7}{8}</math>, 4 <math>\frac{7}{8}</math>. Oil drained, filter checked, new filter installed, serviced with Phillips 20W50. Plugs cleaned, gapped, tested, &amp; rotated, timing checked &amp; set. Induction &amp; exhaust systems checked. Engine washed, ran up checked for operation &amp; leaks. CIWAD 93-02-05, injector fuel lines ok, due again next annual. AD 96-09-10, oil pump gears, due @ 4316.0 tach or by July 2001. AD 97-15-11 Piston pins, DWA no new pins installed.</p> <p>Total Time <u>2910.4</u></p> <p>Tachometer <u>2910.4</u> I certify that this (<del>engine</del>) (engine) has been inspected in accordance with a (annual) (<del>100 hour</del>) inspection and was determined to be in airworthy condition.</p> <p>Dated <u>3/1/98</u> W.O. No. _____</p> <p>CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE</p> |

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|-------------|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 19 98       |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 10 April 98 | 2927.5             |       | Removed #3 cyl. due to head being blown off cyl. body. Replaced with ECI Cyl. P/N AELW 12995 RB; Work Order Number 64731, 9N03 ECI's FAA cert. Repair Station No. AGZR689K. Replaced Push Rods P/N 73456 & P/N 73457 due to finding them bent, with new one with same P/N's. Replaced #3 cyl. oil Return tube due to being nearly worn through by a baffle retaining wire. Seals and gaskets were replaced as new. Oil was changed and Aero Shell 100 mineral Oil was put in Eng for break-in period and a new CH48110 oil filter was put in. Eng was run and leaked and no leaks were found. This AC is returned to service.<br>James T. Wall 497781299 AP |

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|---------------|--------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|               | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                           |
| 19 98         |                    |       |                                                                                                                                                                                                                                                                                                                                                           |
| 3 July 98     | 2960               | 9     | Tack Troubleshoot engine for LEFT Mag Roughness @ run up - Cold cylinder checked and tested #1 cylinder Leaks - OK this date. Checked Spark plugs under pressure, #1 upper plug intermittent, replaced both spark plug gaskets, and #1 upper plug with a serviceable REM-40E plug, run up + leak checked satisfactory - END - David Lambert A/P 389623395 |
| 6 Oct 30 1998 | 2994.8             |       | Installed repaired engine fuel servo unit Model 2524054-11 S/N 32276. Performed idle up to full check. See release dated 10/98<br>Bruce Lamm A/P #475767102                                                                                                                                                                                               |

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|--------------|--------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 19 <u>99</u> |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| June 15      | 3021               | 1     | <p>Tach 3021.1 SMOH 704.8 STOH 481.5 TTProp unknown SPOH 225.6</p> <p>Compression 1 <math>\frac{7}{80}</math>, 2 <math>\frac{7}{80}</math>, 3 <math>\frac{7}{80}</math>, 4 <math>\frac{7}{80}</math>. Oil Filter checked, new Filter installed. Plugs cleaned, gapped, tested + rotated. Timing checked. Induction + exhaust systems checked. Engine washed, ran up, checked for leaks + operation. CIW AD 93-02-05, Fuel injector lines checked, due again next annual. AD 96-09-10, oil pump gears, due @ 4316.0 tach or July 2001. AD 98-02-08, crankshaft failure, DNA, not fixed pitch prop installation. AD 98-17-11C, crankshaft cracking, DNA not worked on during affected period. AD 98-18-12, rotary fuel pumps, AD 96-12-07, impulse coupling inspection due @ 3389.0 Tach on left mag.</p> <p>SMOH 704.8 Total Time. <u>3021.1</u></p> <p>Tachometer <u>3021.1</u> I certify that this (aircraft) (engine) has been inspected in accordance with a (annual) (100 hour) inspection and was determined to be in airworthy condition.</p> <p>Dated <u>6/15/99</u> W.O. No. _____</p> <p>Signed <u>Bruce Lawen</u> #4757671027A</p> |

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|----------------|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 19 <u>2000</u> |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1-28           | 3047               | 3     | <p>Charged oil + Filter Put in Phillips XC20-50 Vic Johnson 484 30426X</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 7-16           | 3093               | 1     | <p>Charged oil + Filter " " " " " Vic Johnson 484 30426X</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Aug 1<br>2000  | 3093               | 3     | <p>Tach 3093.3 SMOH 777.0 STOH 553.7 SPOH 297.8 TTP 3093.3</p> <p>Compression 1 <math>\frac{7}{80}</math>, 2 <math>\frac{7}{80}</math>, 3 <math>\frac{7}{80}</math>, 4 <math>\frac{7}{80}</math>. Oil Filter checked, new Filter installed. Plugs cleaned, gapped, tested + rotated, timing checked. Cylinder base nuts + case nuts + bolts torques checked per manual. Induction + exhaust systems checked. Engine washed, ran up, checked for leaks and operation. CIW AD 93-05-05, injector lines checked, due again next annual. AD 96-09-10, oil pump gears due @ 4316.0 or July 2001. AD 96-12-07, impulse coupling, due @ 3389.0 Tach</p> <p>SMOH 777.0 Total Time <u>3093.3</u></p> <p>Tachometer <u>3093.3</u> I certify that this (aircraft) (engine) has been inspected in accordance with a (annual) (100 hour) inspection and was determined to be in airworthy condition.</p> <p>Dated <u>8/1/00</u> W.O. No. _____</p> <p>Signed <u>Bruce Lawen</u> #4757671027A</p> |

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|--------|--------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 2001   |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| May 26 |                    |       | Tach 3126.3 Total 3126.3 SMOH 810.0<br>Complied with AD 96-09-10, oil pump gears. Installed new pump gears, P/N AS05K19423-5 kit, pump housing, P/N CAM78531 S/N 515, pump drive shaft P/N AS61174 AL. Complied with Service Instruction No 1341, drilled oil passage for pump gear shaft. Installed new oil sump + accessory case gaskets. All accessory case seals + gaskets replaced. Oil change, new filter, old filter checked, serviced with 20W50 Phillips. Engine ran up, checked for leaks + operation.<br>Bruce Lauer ACP# 475767102 |

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|---------|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|         | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 2001    |                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sept 11 |                    |       | Tach 3151.1 Total 3151.1 SMOH 834.8 STOH 611.5<br>Compression 1 <sup>26</sup> / <sub>80</sub> , 2 <sup>26</sup> / <sub>80</sub> , 3 <sup>28</sup> / <sub>80</sub> , 4 <sup>26</sup> / <sub>80</sub> . Oil filter checked, new filter installed, Plugs cleaned, gapped, tested, + rotated. Timing checked. Induction + exhaust systems checked. Injectors cleaned. Engine washed, ran up, checked for leaks + operation. C/W AD 93-05-05, injector lines checked due again next annual. AD 96-12-07, impulse coupling inspection due @ 3389.0 Tach/Total. Engine washed, ran up, checked for leaks + operation.<br>SMOH 834.8 Total Time 3151.1<br>Tachometer 3151.1 I certify that this (aircraft) (engine) has been inspected in accordance with a (annual) (100 hour) inspection and was determined to be in airworthy condition.<br>Filed 9/11/01 W.O. No.<br>Signed Bruce Lauer ACP# 475767102 JA |

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# ENGINE MAINTENANCE LOG

| DATE<br><u>Oct 4 2002</u> | ACCUMULATED TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.<br><u>53.3</u> <u>570H 664.8</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------|--------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <u>Oct 4</u>              | <u>3204.4</u>      |       | <p>Tach <u>3204.4</u> SMOH <u>888.1</u> TProp <u>3204.4</u> SPOH <u>408.9</u><br/>           Compression <u>1 7/80, 2 7/80, 3 7/80, 4 7/80</u>. Oil drained, Filter changed<br/>           old Filter checked. Serviced with Phillips 20W50. Plugs cleaned<br/>           gapped tested + rotated. Timing checked + set. Induction +<br/>           exhaust systems checked. Engine washed, ran up, checked for<br/>           leaks + operation. CIW AD 93-05-05, injector fuel lines checked,<br/>           due again next annual AD 96-12-07, impulse coupling inspection<br/>           due @ <u>3389.0 Tach/Total</u>.</p> <p style="text-align: right;">Total Time <u>3204.4</u></p> <p>Tachometer <u>3204.4</u> I certify that<br/>           this (<del>aircraft</del>) (<u>engine</u>) has been inspected in accord-<br/>           ance with a (annual) (<del>100 hour</del>) inspection and was<br/>           determined to be in airworthy condition.</p> <p>Dated <u>10/4/02</u> W.O. No. _____<br/>           Signed <u>Bruce Lounsbury #475767102JA</u></p> |

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

| DATE<br><u>2003</u> | ACCUMULATED TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic.<br><u>42.4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <u>Nov 7</u>        | <u>3246.8</u>      |       | <p>Tach <u>3246.8</u> SMOH <u>930.5</u> STCH <u>707.2</u> TProp <u>3246.8</u> SPOH <u>451.3</u><br/>           Compression <u>1 7/80, 2 7/80, 3 7/80, 4 7/80</u>. Oil drained, new Filter<br/>           installed, old Filter checked. Serviced with Phillips 20W50.<br/>           Plugs cleaned, gapped, tested, + rotated. Timing checked. Induction<br/>           + exhaust systems checked. Engine washed, ran up, checked<br/>           For leaks + operation. CIW AD 2002-26-01, injector fuel<br/>           lines attachment + routing checked, due again next annual,<br/>           AD 96-12-07, impulse coupling inspection due @ <u>3389.0 Tach</u><br/> <u>SMOH 930.5</u> Total Time <u>3246.8</u></p> <p>Tachometer <u>3246.8</u> I certify that<br/>           this (<del>aircraft</del>) (<u>engine</u>) has been inspected in accord-<br/>           ance with a (annual) (<del>100 hour</del>) inspection and was<br/>           determined to be in airworthy condition.</p> <p>Dated <u>11/2/03</u> W.O. No. _____<br/>           Signed <u>Bruce Lounsbury #475767102JA</u></p> |

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

**Description of Inspection, Repair and Overhaul**  
Enter here general data with reference to inspections, alterations and repairs and overhaul.  
ALL DATA must be endorsed with the name, rating and certificate number of either the FAA  
Repair Station or the mechanic.

[illegible]

**November 19, 2004      Tach 3262.0      Total 3262.0      SMOH 0.0      TTP 0.0**

**Engine Major Overhaul.** Engine disassembled, parts cleaned, checked, and painted. Crankcase repaired by Chuck Ney Enterprises and Ney Nozzles installed per STC SE8228SW, see release dated 8/17/04. Crankshaft, rods, lifters, tachshaft, rocker arms, crankgear, and remaining internal steel parts inspected, repaired, and certified by Aircraft Specialties Services, see releases dated 8/16/04 and 8/23/04. Oil sump repaired by Drake Air, see release dated 8/24/04. Crankshaft rods and mains polished M003, counterweights and blades rebushed and new pins installed. Cylinders inspected, repaired, and overhauled by Engine Components in Cerminil as complete bolt on assemblies, see releases dated 9/1, 9/2, 9/3, and 9/22/04. The following new parts were installed: SL13444-1 piston pins, SL13521AM03 rod bearings, SL75060 rod bolts, SL12186 rod bolt nuts, SL11020M03 main bearings, AEL13884M03 front mains, SL75441-1 major gasket set, 15B21319 hydraulic lifter sockets, 78290 lifter plungers, AS18840 camshaft (S/N 126852), LW18667 pin, SL-STD-2213 crankgear bolt, and P5000 sump quick drain. Oil pump housing, gears, and drive shaft reused as they only have 135.7 hours on them since install, see log entry dated 5/26/01. Engine assembled per Lycoming Direct Drive Overhaul Manual and applicable Service Bulletins and Instructions. New 10-391088-1 coil, 10-382585 points, 10-349234 distributor gear, and 10-349357-2 impulse cam assembly installed in left mag. No other accessories worked on at this time. Engine installed on N1843Q using new engine Lord mounts. Engine preoiled per SI1241C and serviced with Phillips 20W50 Type M. C/W AD96-12-07, installed new impulse cam assembly in left mag, S4LN-1227 S/N 818172F, due again at 3762.0 Total. C/W AD2002-26-01, fuel injection lines checked for routing and security, due again 3362.0 Total. C/W AD 2004-10-14C, installed SL-STD- 2213 bolt, inspection performed by Aircraft Specialties Services, see release dated 8/16/04. New McCauley propeller model B2D34C207-B, S/N 040557, installed, Engine ran up in accordance with ECI break in instructions and checked for operation and leaks, set idle mixture and RPM.

**Bruce Sauer A&P 475767102**

# ENGINE MAINTENANCE LOG

| 5  | ACCUMULATED TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Repair Station or the mechanic.                                                                                                                                                                                                                                                                                                                           |
|----|--------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Hours              | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 15 | 3266               | 9     | Tach 0.0 SMOH 4.9 TT Prop 0.0<br>Engine disassembled for prop strike inspection. Crankcase repaired by Chuck Noy Enterprises see release dated 1/13/05. Crankshaft inspected by Aircraft Specialties Services see release dated 2/21/05. SB 475C C/W. Engine reassembled using all new bearings, rod bolts and nuts. Installed new crank gear bolt, SL-STD-2213, to C/W AD 2004-16-14C. All new gaskets & seals used in reassembly. Engine reinstalled in aircraft, set controls, primed engine. Perform operational checks. Engine was serviced with Phillips 20W50 Type M. Bruce Lauer A.P. 475767102 |

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

| DATE            | ACCUMULATED TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Repair Station or the mechanic. |
|-----------------|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | Hours              | 10ths |                                                                                                                                                                                                                                                                               |
| 19              |                    |       |                                                                                                                                                                                                                                                                               |
| 05, July 2005   |                    |       | Tac. Time 4.7 - Changed Oil + Filter - Inspected old Filter + Suction Screen - Found OK - Serviced Engine (8) Qts 20W-50 Phillips XLC Mineral + CH48110-1 Oil Filter Ground Run + Leak Check OK - See Win Air W.O. # 05-07-05 *<br>Kurt Swogger ATP 508800015                 |
| 26, August 2005 |                    |       | Tac. Time 10.9 - Replaced Vacuum Pump - Removed Airbourne 311CE - No Visible S/N - Installed Tempest Model AA3215CC S/N A32848. Operational Check OK. See Win Air W.O. # 05-08-26 *<br>Kurt Swogger ATP 508800015                                                             |

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

| DATE<br>19__ | ACCUMULATED<br>TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Repair Station or the mechanic.                                                                                                                                                                                                                                                                                                                                                                              |
|--------------|-----------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Hours                 | 10ths |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 06,          |                       |       | <p>January 2006 - Tac Time 17.3 - Completed 100 HOUR Inspection I/A/W<br/>Cessna 177RG Service Manual Checklist. Compression Check #1 75/80, #2 74/80,<br/>#3 74/80, #4 75/80. Changed Oil + Filter - Inspected Old Filter - Found OK -<br/>Serviced Engine with (8) Qts Phillips 20W-50 X/C Mineral + CH48110-1. Cleaned<br/>Inspected + Rotated Spark Plugs. Flow Checked Fuel Injectors. Checked<br/>Magneto-to-Engine Timing. C/W A.D. 2002-26-01 Dated 01-31-03 By Inspection of<br/>Fuel Injection Lines + Clamps. This A.D. Due @ Tac Time 167.3. Ground Run<br/>+ Leak Check OK. See Win Air W.O. # 05-12-08 *</p> <p>EIT 3284.2<br/>TSOH 22.2</p> |

I CERTIFY THAT THIS AIRCRAFT/ENGINE HAS BEEN  
INSPECTED IN ACCORDANCE WITH A  
100 HOUR INSPECTION AND WAS DETERMINED TO BE IN  
AIRWORTHY CONDITION WITH RESPECT TO THE WORK  
PERFORMED. DETAILS OF THE INSPECTION/REPAIR ARE ON  
FILE WITH  
W.O. # 05-12-08 DATE 01-06-06  
SIGNED *Kurt Swogger* A&P 30880001  
B2W CORP  
WINONA, MN

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

| DATE<br>19__ | ACCUMULATED<br>TOTALS |             | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Repair Station or the mechanic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |        |        |        |       |        |        |     |          |          |             |             |      |     |        |        |
|--------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|--------|--------|-------|--------|--------|-----|----------|----------|-------------|-------------|------|-----|--------|--------|
|              | Hours                 | 10ths       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |        |        |        |       |        |        |     |          |          |             |             |      |     |        |        |
|              |                       |             | <p>UNIT<br/>LYC O-360-A1B6</p> <p>REGISTRATION<br/>N1843Q</p> <p>Win Air<br/>The Island City's FBO</p> <p>Win Air / B2W<br/>106 Galewski Dr.<br/>Winona, MN. 55987<br/>Ph# 507 452-2220</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>MFG.</th> <th>MODEL</th> <th>S/N</th> <th>ETSOH</th> <th>CYCLES</th> <th>H. MTR</th> <th>ETT</th> </tr> </thead> <tbody> <tr> <td>09-13-06</td> <td>LYCOMING</td> <td>IO-360-A1B6</td> <td>L-13303-39A</td> <td>55.1</td> <td>N/A</td> <td>0050.2</td> <td>3317.1</td> </tr> </tbody> </table> <p>LOG ENTRY:</p> <p>CHANGED OIL &amp; FILTER, INSPECTED OLD FILTER AND FOUND OK - SERVICED ENGINE WITH (8) QTS SAE 20/50<br/>MINERAL, PHILLIPS 20/50 X/C M. AND CH48110-1 OIL FILTER. TIGHTENED #4 CYLINDER DRAIN BACK TUBE. REPLACED<br/>QUICK DRAIN, PN P5000. GROUND RUN, OPERATIONAL, POWER AND LEAK CHECKS OK. *****</p> <p>The aircraft, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the<br/>Federal Aviation Administration and is approved for return to service. Pertinent details of the WORK are on file at Win Air / B2W of Winona,<br/>MN. under work order # 06-09-08 DATED 09-13-2006 *****</p> <p>SIGNED: KURT SWOGGER <i>Kurt Swogger</i> A&amp;P CERT.# 508800015</p> | DATE  | MFG.   | MODEL  | S/N    | ETSOH | CYCLES | H. MTR | ETT | 09-13-06 | LYCOMING | IO-360-A1B6 | L-13303-39A | 55.1 | N/A | 0050.2 | 3317.1 |
| DATE         | MFG.                  | MODEL       | S/N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | ETSOH | CYCLES | H. MTR | ETT    |       |        |        |     |          |          |             |             |      |     |        |        |
| 09-13-06     | LYCOMING              | IO-360-A1B6 | L-13303-39A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 55.1  | N/A    | 0050.2 | 3317.1 |       |        |        |     |          |          |             |             |      |     |        |        |

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

| DATE   | ACCUMULATED TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Repair Station or the mechanic. |
|--------|--------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Hours              | 10ths |                                                                                                                                                                                                                                                                               |
| 19____ |                    |       |                                                                                                                                                                                                                                                                               |

|                        |                                                                                                            |                                                                                         |
|------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| UNIT<br>LYC O-360-A1B6 | <br>The Island City's FBO | Win Air / B <sub>2</sub> W<br>106 Galewski Dr.<br>Winona, MN. 55987<br>Ph# 507 452-2220 |
| REGISTRATION<br>N1843Q |                                                                                                            |                                                                                         |

| DATE     | MFG.     | MODEL       | S/N         | ETSO   | CYCLES | TAC.   | ETT    |
|----------|----------|-------------|-------------|--------|--------|--------|--------|
| 03-09-07 | LYCOMING | IO-360-A1B6 | L-13303-39A | 0076.0 | N/A    | 0071.7 | 3338.0 |

## ENGINE LOG ENTRY :

COMPLETED 100 HOUR INSPECTION UTILIZING CESSNA SERVICE MAUNAL CHECKLIST AS AMMENDEED. BORSKOPED AND CMPRESSION CHECKED, #1 74/80, #2 74/80, #3 78/80, AND #4 72/80. CHANGED OIL & FILTER, INSPECTED OLD FILTER AND FOUND OK - SERVICED ENGINE WITH (8) QTS SAE 80AD, AEROSHELL W80 AND CH48110-1 OIL FILTER. INSPECTED, CLEANED, GAPPED AND ROTATED SPARK PLUGS. FLOW CHECKED INJECTORS. CHECKED MAGENETO TO ENGINE TIMING. COMPLIED WITH A.D. 2002-26-01, DATED 01-31-2003, BY INSPECTION OF FUEL INJECTOR LINES AND CLAMPS. THIS A.D. DUE NEXT AT TAC. TIME 3417.1. GROUND RUN, OPERATIONAL, POWER AND LEAK CHECKS OK. \*\*\*\*\*

The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration. Only those items specified on the WORK ORDER have been inspected and are approved for return to service. Pertinent details of the WORK are on file at Win Air / B<sub>2</sub> W of Winona, MN. Under Work Order # 07-01-28 DATED 03-09-2007. No other representations concerning Airworthiness are expressed or implied. \*\*\*\*\*

SIGNED: KURT SWOGER

A&P CERT.# 508800015

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

| DATE   | ACCUMULATED TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA<br>Reoar Station or the mechanic. |
|--------|--------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Hours              | 10ths |                                                                                                                                                                                                                                                                              |
| 19____ |                    |       |                                                                                                                                                                                                                                                                              |

|                        |                                                                                                              |                                                                                         |
|------------------------|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| UNIT<br>LYC O-360-A1B6 | <br>The Island City's FBO | Win Air / B <sub>2</sub> W<br>106 Galewski Dr.<br>Winona, MN. 55987<br>Ph# 507 452-2220 |
| REGISTRATION<br>N1843Q |                                                                                                              |                                                                                         |

| DATE     | MFG.     | MODEL       | S/N         | ETSO   | CYCLES | TAC.   | ETT    |
|----------|----------|-------------|-------------|--------|--------|--------|--------|
| 10-15-07 | LYCOMING | IO-360-A1B6 | L-13303-39A | 0126.2 | N/A    | 0121.3 | 3388.2 |

## ENGINE LOG ENTRY :

CHANGED OIL & FILTER, INSPECTED OLD FILTER AND FOUND OK. RESERVICED ENGINE WITH EIGHT (8) QTS SAE 15/50 AD, AEROSHELL 15W/50 AND CH48110-1 OIL FILTER. VISUALLY INSPECED ENGINE AND COMPARTMENT, BOTH FOUND TO BE NORMAL. AIRCRAFT GROUND RUN, OPERATIONAL, POWER AND LEAK CHECKS COMPLIED WITH, FOUND TO BE SATISFACTORY. \*\*\*\*\*

I certify that with respect to the work performed on this aircraft engine identified above, that it was repaired, inspected and found to be airworthy in accordance with the current regulations of the Federal Aviation Administration. Only those items specified on the Work Order have been inspected, found to be airworthy and are approved for return to service. Pertinent details of the WORK are on file at Win Air / B<sub>2</sub>W of Winona, MN under Work Order # 07-10-13 DATED 10-15-2007. No other representations concerning Airworthiness are expressed or implied. \*\*\*\*\*

SIGNED: THOMAS M. OWEN

A&P CERT.# 2708310

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

# ENGINE MAINTENANCE LOG

| DATE<br>19____ | ACCUMULATED TOTALS |       | Description of Inspection, Repair and Overhaul<br>Enter here general data with reference to inspections, alterations and repairs and overhaul.<br>ALL DATA must be endorsed with the name, rating and certificate number of either the FAA Repair Station or the mechanic. |
|----------------|--------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | Hours              | 10ths |                                                                                                                                                                                                                                                                            |

|                         |                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNIT<br>LYC IO-360-A1B6 |  <b>Win Air / B<sub>2</sub>W</b><br>106 Galewski Dr.<br>Winona, MN. 55987<br>Ph# 507 452-2220 |
| REGISTRATION<br>N1843Q  |                                                                                                                                                                                |

| DATE     | MFG.     | MODEL       | S/N         | ETSO   | CYCLES | TAC.   | ETT    |
|----------|----------|-------------|-------------|--------|--------|--------|--------|
| 12-14-07 | LYCOMING | IO-360-A1B6 | L-13303-39A | 0131.5 | N/A    | 0126.6 | 3393.5 |

## ENGINE LOG ENTRY :

REMOVED STARTER MD# MZ 4206, SN 1D000095, INSTALLED OVERHAUL PRESOLITE, PN MZ 4218, SN A709030, BY AEROTECH, CRS# PU4R453M, W.O. 89009, DATED 11-12-2007. REMOVED LEFT MAGNETO, BENDIX PN 10-349365-3, SN 818172F; INSTALLED TCM OVERHAUL PN BL-349365-3R, SN F07FA118R. REMOVED, INSTALLED AND RIGGED PROPELLER GOVENOR, MCCAULEY MD# C290D3-K/T11, SN 753230, OVERHAULED BY MAXWELL AIRCRAFT SERVICE INC., CRS UF2R211L, W.O. 113434, DATED 12-13-2007. FLOWED, INSPECTED, CLEANED AND REFLOWED FUEL INJECTORS. INSPECTED, CLEANED, REGAPPED AND REINSTALLED SPARK PLUGS WITH TWO NEW REM 40E IN BOTTOM OF #1 & #3 CYLINDERS. VISUALLY INSPECED ENGINE AND COMPARTMENT, BOTH FOUND TO BE NORMAL. AIRCRAFT GROUND RUN, OPERATIONAL, POWER AND LEAK CHECKS COMPLIED WITH, FOUND TO BE SATISFACTORY. \*\*\*\*\*

I certify that with respect to the work performed on this aircraft engine, propeller and appliances identified above, that they were repaired, inspected and found to be airworthy in accordance with the current regulations of the Federal Aviation Administration. Only those items specified on the Work Order have been inspected, found to be airworthy and are approved for return to service. Pertinent details of the WORK are on file at Win Air / B2W of Winona, MN under Work Order # 07-12-03 DATED 12-14-2007. No other representations concerning Airworthiness are expressed or implied. \*\*\*\*\*

SIGNED: THOMAS M. OWEN

*Thomas Owen*

A&P CERT.# 2708310

CARRY ACCUMULATED TOTALS FORWARD TO TOP OF NEXT PAGE

## SERVICE INFORMATION LETTER AND AIRWORTHINESS DIRECTIVE LOG

| Date<br>19____ | Service Information Letter Number | Airworthiness Directive Number | Remarks | Signature |
|----------------|-----------------------------------|--------------------------------|---------|-----------|
|----------------|-----------------------------------|--------------------------------|---------|-----------|

|                         |                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNIT<br>LYC IO-360-A1B6 |  <b>Win Air / B<sub>2</sub>W</b><br>106 Galewski Dr.<br>Winona, MN. 55987<br>Ph# 507 452-2220 |
| REGISTRATION<br>N1843Q  |                                                                                                                                                                                  |

| DATE     | MFG.     | MODEL       | S/N         | ETSO   | CYCLES | TAC.   | ETT    |
|----------|----------|-------------|-------------|--------|--------|--------|--------|
| 04-11-08 | LYCOMING | IO-360-A1B6 | L-13303-39A | 0142.8 | N/A    | 0137.9 | 3404.8 |

## ENGINE LOG ENTRY :

COMPLETED 100 HOUR INSPECTION UTILIZING CESSNA SERVICE MAUNAL CHECKLIST AS AMMENDED. BORSKOPED AND CMPRESSION CHECKED, #1 78/80, #2 77/80, #3 76/80, AND #4 78/80. CHANGED OIL & FILTER, INSPECTED OLD FILTER AND FOUND OK - SERVICED ENGINE WITH (8) QTS SAE 100AD, AEROSHELL W100 AND CH48110-1 OIL FILTER. INSPECTED, CLEANED, GAPPED AND ROTATED SPARK PLUGS. FLOW CHECKED INJECTORS. CHECKED MAGENETO TO ENGINE TIMING. REPLACED ALL PUSH ROD TUBE SEALS & SPRING CLIPS, PN LW18661 & LW13077. COMPLIED WITH A.D. 2002-26-01, DATED 01-31-2003. BY INSPECTION OF FUEL INJECTOR LINES AND CLAMPS. THIS A.D. DUE NEXT AT TAC. TIME 3417.1. AIRCRAFT GROUND RUN, OPERATIONAL, POWER AND LEAK CHECKS C/W AND ALL FOUND TO BE SATISFACTORY. \*\*\*\*\*

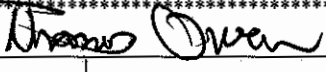
I certify that with respect to the work performed on the aircraft engine or appliance identified above, that they were repaired, inspected and found to be airworthy in accordance with current regulations of the Federal Aviation Administration. Only those items specified on the WORK ORDER have been inspected, found to be airworthy and are approved for return to service. Pertinent details of the WORK are on file at Win Air / B2 W of Winona, MN. Under Work Order # 08-03-31 DATED 04-11-2008. No other representations concerning Airworthiness are expressed or implied.

SIGNED: THOMAS M. OWEN

*Thomas Owen*

A&P CERT.# 2708310

# SERVICE INFORMATION LETTER AND AIRWORTHINESS DIRECTIVE LOG

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         |                                                                                                                                     |                                                                                   |                |                    |                                                                                   |               |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------|--------------------|-----------------------------------------------------------------------------------|---------------|--|--|
| Date<br>19____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Service<br>Information<br>Letter Number | Airworthiness<br>Directive<br>Number                                                                                                | Remarks                                                                           |                |                    |                                                                                   | Signature     |  |  |
| UNIT<br>LYC IO-360-A1B6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | <br><b>Win AIR</b><br><i>The Island City's FBO</i> |                                                                                   |                |                    | <b>Win Air / B2W</b><br>106 Galewski Dr.<br>Winona, MN. 55987<br>Ph# 507 452-2220 |               |  |  |
| REGISTRATION<br>N1843Q                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |                                                                                                                                     |                                                                                   |                |                    |                                                                                   |               |  |  |
| DATE<br>08-25-08                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MFG.<br>LYCOMING                        | MODEL<br>IO-360-A1B6                                                                                                                | S/N<br>L-13303-39A                                                                | ETSO<br>0171.4 | CYCLES<br>N/A      | TAC.<br>0166.5                                                                    | ETT<br>3433.4 |  |  |
| ENGINE LOG ENTRY :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                         |                                                                                                                                     |                                                                                   |                |                    |                                                                                   |               |  |  |
| CHANGED OIL; RESERVICED WITH SEVEN (7) QUARTS SAE 15W/50, AEROSHELL 15W50. VISUALLY INSPECED ENGINE AND COMPARTMENT, BOTH FOUND TO BE NORMAL. AIRCRAFT GROUND RUN, OPERATIONAL, POWER AND LEAK CHECKS COMPLIED WITH AND ALL FOUND TO BE SATISFACTORY. *****                                                                                                                                                                                                                                                                                                                                            |                                         |                                                                                                                                     |                                                                                   |                |                    |                                                                                   |               |  |  |
| I certify that with respect to the work performed on this aircraft engine and/or appliances identified above, that they were repaired, inspected and found to be airworthy in accordance with the current regulations of the Federal Aviation Administration. Only those items specified on the Work Order have been inspected, found to be airworthy and are approved for return to service. Pertinent details of the WORK are on file at Win Air / B2W of Winona, MN under Work Order # 08-08-25 DATED 08-25-2008. No other representations concerning Airworthiness are expressed or implied. ***** |                                         |                                                                                                                                     |                                                                                   |                |                    |                                                                                   |               |  |  |
| SIGNED: THOMAS M. OWEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |                                                                                                                                     |  |                | A&P CERT.# 2708310 |                                                                                   |               |  |  |
| <div style="display: flex; justify-content: space-between;"> <span>See new</span> <span>Engine Log - stated</span> <span>ø4-ø7-2øø9</span> <span>G Bolon A P 5414ø2372</span> </div>                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |                                                                                                                                     |                                                                                   |                |                    |                                                                                   |               |  |  |

*[Faint, illegible text and markings on a large sheet of paper, possibly a continuation of the log or a separate document.]*