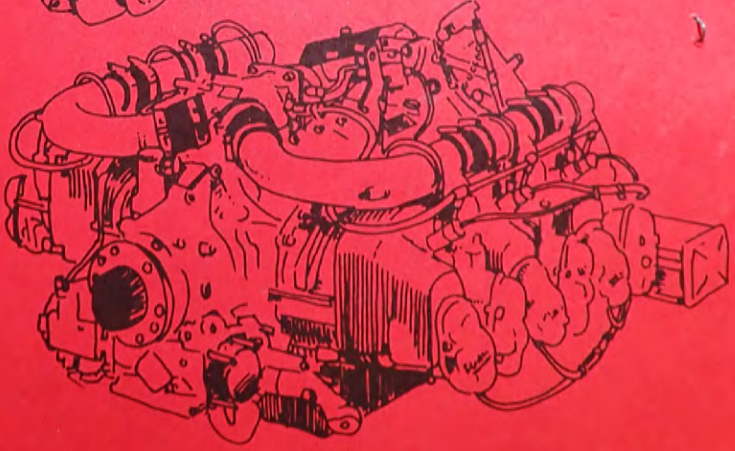
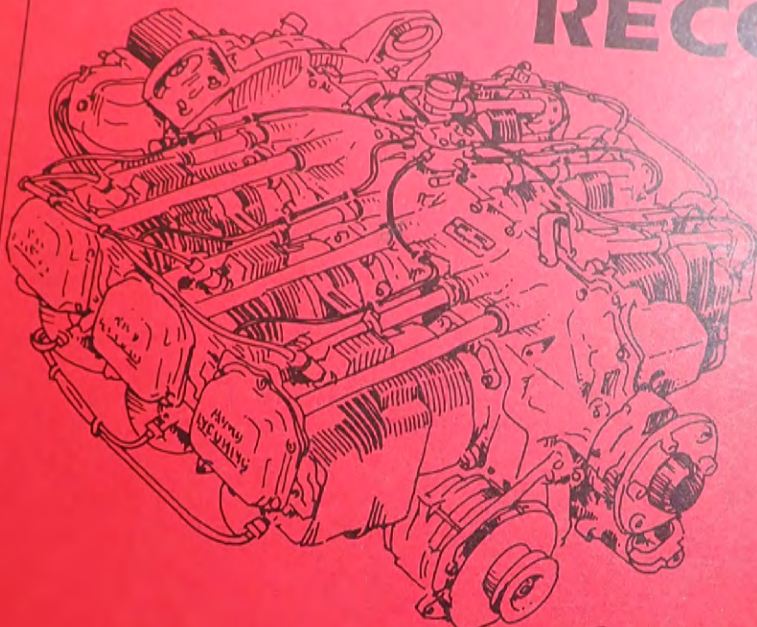




AVER 7  
N19519  
Book 2

# ENGINE MAINTENANCE RECORDS



**1-800-624-6680**

(IN NY 631-298-8330)

**TELEDYNE MATTITUCK SERVICES, INC.**

410 AIRWAY DRIVE, MATTITUCK, NY 11952

TELEDYNE MATTITUCK SERVICES, Inc. *Red - Gold* LIMITED PISTON ENGINE WARRANTY

Effective 11/03/90, TELEDYNE MATTITUCK SERVICES, Inc. (hereinafter "TMS") invokes the following warranty to its customer, subject to the limitations, conditions and exclusions set forth below.

**WARRANTY COVERAGE** - For a period of one (1) year after date of delivery to customer, or 480 hours of operation, whichever occurs first, TMS shall repair or replace, at its option, any aircraft engine, accessory, or part which is found to be defective, to TMS's satisfaction, within said warranty period.

For engine warranty after one (1) year from the date of delivery to customer and prior to the expiration of the original manufacturer's recommended time between overhaul ("TBO"), the cost of repair or replacement (including the cost of parts and labor), at TMS's option, shall be prorated in the following manner. The customer shall pay the net price for a newly remanufactured engine equal to the current list price for the engine repaired or replaced engine (which shall be deemed the greater of the actual logbook hours, recorded tachometer hours or hours or time at forty (40) hours per month from the date of delivery). Reasonable labor costs associated with the repair of a warranted engine shall be prorated in the same manner on the basis of a flat rate schedule established by TMS.

After the initial one (1) year from date of delivery or 480 hours of operation, TMS will not assume any responsibility for the repair or replacement of engine accessories, e.g. magneto, starter, alternator, ignition harness, turbocharger, etc.

Replacement parts supplied for warranted engines still covered by manufacturer's warranty are supplied on an exchange basis. TMS will pursue warranty claims with the manufacturer on the owner's behalf. Any allowance by the manufacturer will be credited to the operator's account.

A troubleshooting allowance of up to 15% of the repair cost will be allowed at the discretion of TMS. The repair or replacement of any part under the foregoing warranty shall not extend the periods of warranty coverage set forth above. TMS reserves the right to change the price or specifications of any engine or part at any time.

**CONDITIONS AND PROCEDURES FOR OBTAINING WARRANTY WORK** - The foregoing warranty shall be effective only if the engine or component to be serviced is returned to TMS's facility at customer's expense, together with particulars in writing of the nature of the defect. The customer or his representative should contact TMS for verification and authorization of warranty prior to return and/or repair.

Written authorization must be obtained from TMS before repairs covered by warranty can be performed other than by TMS. In no event shall allowable labor costs exceed local published shop rates. The foregoing warranty shall apply if and only if the engine has been properly installed and maintained in accordance with current approved standards of the FAA and current recommendations of the manufacturer as specified in applicable factory manuals and service bulletins. The performance of recommended inspections and maintenance must be documented by logbook entries which must accompany any engine returned for warranty work. Defects must be discovered within the warranty period and TMS must be given prompt notice thereof in writing, within ten (10) days after discovery.

**LIMITATIONS, EXCLUSIONS, AND DISCLOSURES** - TMS shall not assume freight charges, transportation or delivery expenses, costs, or airframe repairs, all of which are excluded under this warranty. TMS does not warrant parts, materials or services supplied which are covered by manufacturer's warranty. This warranty shall not apply to any engine which has been subject to misuse, neglect, accident or damage from the elements, or which has been installed, repaired or maintained or altered in any manner which, in the judgement of TMS, has had an adverse effect on the engine or part. This warranty shall not apply to any engine which has been operated under conditions which exceed the manufacturer's recommendations. This warranty shall not apply to any engine which has been repaired or altered, in any manner other than by TMS, or its representative.

THE FOREGOING WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED ARISING BY OPERATION OF LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXCLUDED. TMS liability hereunder shall be limited to the repair or replacement of any engine or part found to be defective within the applicable warranty period as set forth above. IN NO EVENT SHALL TMS BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OR ECONOMIC LOSS OF ANY NATURE WHETHER ARISING IN CONTRACT OR TORT, INCLUDING STRICT LIABILITY IN TORT OR NEGLIGENCE ON THE PART OF TMS. The foregoing limitations and exclusion with respect to implied warranties and the exclusion of incidental and consequential damages may not apply in those states which prohibit such limitation or exclusions. This warranty gives customer specific legal rights, and the customer may have other rights which vary from state to state.

Work Order No. 16726  
 Engine Serial No. L-22473-36A



410 Airway Drive  
 Mattituck, NY 11952  
 Tel. (631) 298-8330  
 (800) 624-6680

**WORK ORDER**

Work Order No. 16726 Customer Avery  
 Part No. 0-360-A1F6D Serial No. L-22473-36A

Nomenclature Foxtron Lycoming Aircraft Engine

Description of work performed New cylinder Assy's Installed -  
Ch AD2000-1853, 98-17-11, 91-14-22, 90-04-061  
QWAS 96-12-07  
**ENGINE OVERHAULED TO MFG NEW PARTS LIMITS AND TEST RUN**

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

Date 8-28-01 Signed Michael P. Russell  
**TELEDYNE MATTITUCK SERVICES, INC.** FAA Repair Station T10R507Y

# ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N19519

Engine Manufacturer \_\_\_\_\_

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Date installed on aircraft \_\_\_\_\_

Time Between Overhauls (TBO) \_\_\_\_\_ Hours

If used on multi-engine aircraft:

Right

Left

Front

Rear

This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Teledyne Mattituck Services, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All Applicable Airworthiness Directives are in compliance. The engine, with respect to the work performed is airworthy and approved for return to service. A description of these repairs is on file at this agency under:

JOB NO. 16726 DATED 28 Aug 01  
 MFG. Lycoming MODEL O-360-A1F6D  
 Serial No. L-22473-36A Time in svc. 1982.1



**TELEDYNE MATTITUCK SERVICES, INC.**

FAA REPAIR STATION # T10R507Y  
 AIRWAY DRIVE, MATTITUCK NY 11952

Authorized Signature

*Richard B. Russell*

New cyl. Assy's. installed AT time of overhaul

The accessories listed below were overhauled by Teledyne Mattituck Services, Inc. in accordance with applicable manufacturer's service and parts manuals and installed on the engine:

The accessories listed below were **New** or **Overhauled** as indicated in the status column and installed on the engine. Overhaul records for these overhauled accessories are in an envelope in the back of this logbook.

Item	Part No.	Serial No.
MAG	10-682555-11	G169804GR

Item	Part No.	Serial No.	Status
Fuel pump	hcs-15472		N
STARTER	MZ-6222	B060149	N



**TELEDYNE MATTITUCK SERVICES, INC.**  
 FAA REPAIR STATION T10R507Y  
 W.O. NO. 16726 DATE 28 Aug 01

Authorized Signature

*Richard B. Russell*


Crankshaft S/W 110424 *GG*

SUB-TOTALS this page  
 TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
12-11-01	1982.1	0.0	1982.1	Reinstall after overhaul, service with 8 qts 20/50 Type M oil. Ground run up checks OK
				C & W AERO SERVICES, INC. CRS HX1R208K THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, OR APPLIANCE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE. DETAILS OF THIS REPAIR ARE ON FILE UNDER WORK ORDER NO. 14245 DATE 12/11/01 SIGNED: <i>Paul M. Muffel</i>
				C & W AERO SERVICES INC. HX1R208K 19 Wright Way Suite #3 Fairfield, NJ 07004 973-227-5750 Reg.: N19519 Model: 177B Make: Cessna Tach: 2001.2 Date: 12-20-01 Preform 50 hour inspection. Change oil and filter/screen. Check filter / screen for metal and debris, none found. Service with 8 quarts 20/50 type M oil. Ground run up checks OK. For further details see Work Order No. 14890  <i>Paul M. Muffel</i> Authorized Signature
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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Status

N

N

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				<p>C&amp;W AERO SERVICES INC. HX1R208K 19 Wright Way Suite #3 Fairfield, NJ 07004 973-227-5750</p> <p>Reg. <u>N19519</u> Model: <u>177B</u> Make: <u>Cessna</u> Tach: <u>20277</u> Date: <u>3-5-02</u></p> <p>Preform 50 hour Inspection. Change oil and filter/screen. Check filter / screen for metal and debris, none found. Service with <u>8</u> quarts <u>15W50</u> oil. Ground run up checks OK. For further details see Work Order No. <u>15147</u></p> <p><i>Paul M. Mufson</i> Authorized Signature</p>
				<p>C&amp;W AERO SERVICES INC. HX1R208K 19 Wright Way Suite #3 Fairfield, NJ 07004 973-227-5750</p> <p>Reg. <u>N19519</u> Model: <u>177B</u> Make: <u>Cessna</u> Tach: <u>20757</u> Date: <u>6-10-02</u></p> <p>Preform 50 hour Inspection. Change oil and filter/screen. Check filter / screen for metal and debris, none found. Service with <u>8</u> quarts <u>15W50</u> oil. Ground run up checks OK. For further details see Work Order No. <u>15310</u></p> <p><u>Clean + gas plugs</u></p> <p><i>Paul M. Mufson</i> Authorized Signature</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<p>C&amp;W Aero Services Inc. CRS # HX1R208K Essex County Airport, 19 Wright Way, Suite #3 Fairfield, NJ 07004 (973)227-5750</p> <p>Reg # <u>N19519</u> Make <u>Cessna</u> Model <u>177B</u> S/N <u>17702575</u> Tach/Hobbs <u>2104.9</u> Work Order <u>15691</u></p> <p>Preform 50 Hour Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Service with <u>7</u> quarts of <u>15W50</u> oil. Ground run up checks OK. For further details see Work Order No. <u>15691</u>.</p> <p>Signed: <u>[Signature]</u></p>
				<p>C&amp;W AERO SERVICES INC. HX1R208K 19 Wright Way Suite #3 Fairfield, NJ 07004 973-227-5750</p> <p>Reg.: <u>N19519</u> Model: <u>177B</u> Make: <u>Cessna</u> Tach: <u>2140.8</u> Date: <u>9-25-02</u></p> <p>Preform 50 hour Inspection. Change oil and filter/screen. Check filter / screen for metal and debris, none found. Service with <u>7</u> quarts <u>15W50</u> oil. Ground run up checks OK. For further details see Work Order No. <u>15741</u>.</p> <p>Clean, Gap test spark Plugs, Rotate when installed.</p> <p><u>[Signature]</u> Authorized Signature</p>

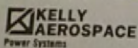
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TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SP- OVER	TACH OR RECORDING	DESCRIPTION OF WORK PERFORMED— PERFORMING WORK
<b>C&amp;W Aero Services Inc. CRS # HX1R208K</b> Essex County Airport, 19 Wright Way, Suite #3 Fairfield, NJ 07004 (973)227-5750 Reg # <u>A19519</u> Make <u>Cessna</u> Model <u>177B</u> S/N <u>17702575</u> Tach/Hobbs <u>2170.6</u>  Perform 50 Hour Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Service with <u>7</u> quarts of <u>15W50</u> oil. Ground run up checks OK. For further details see Work Order No. <u>16083</u>  Signed: <u>[Signature]</u> Date: <u>11-5-02</u>				

Reg # <u>A19519</u>		Engine _____			
Cylinder Number					
1	2	3	4	5	6
<u>76</u>	<u>78</u>	<u>76</u>	<u>76</u>	<u>✓</u>	<u>✓</u>
<u>80</u>	<u>80</u>	<u>80</u>	<u>80</u>	<u>80</u>	<u>80</u>
COMPRESSION CHECK					

I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND HAS BEEN FOUND AIRWORTHY. DETAILS ON FILE AT THIS AGENCY ON WORK ORDER No. 16140  
 A/C Total Time 2170.3 Tach/Hobbs Reads 2170.3  
 Engine Total Time 2190.3 TSMO 208.2  
 Date 2-5-03 Signed [Signature]  
 C&W AERO SERVICES INC. CRS #HX1R208K



Airport Complex  
 P. O. Box 273  
 Fort Deposit, Alabama 36032 USA  
 334-227-8306  
 FAX 334-227-8596

**WARRANTY DATA CARD**

The following information must be supplied when requesting warranty consideration.

Elect Sys MFR M26222 P/N C113155 S/N \_\_\_\_\_

DATE INSTALLED \_\_\_\_\_ DATE REMOVED \_\_\_\_\_

2-5-03

2190.3

TACH TIME \_\_\_\_\_ TACH TIME \_\_\_\_\_

OWNER'S NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_

RETAIN THIS CARD WITH AIRCRAFT LOG BOOKS


Change oil + f. filter. Cut filter to check for metal, none found. Replace starter: M26222 SN C113155. Replace some buffer seals. Ground run up checks OK

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				<p align="center"><b>C&amp;W Aero Services Inc. CRS # HX1R208K</b>            Essex County Airport, 19 Wright Way, Suite #3            Fairfield, NJ 07004 (973)227-5750</p> <p>Reg # <u>N19519</u> Make <u>Cessna</u> Model <u>177B</u>            S/N <u>17702575</u> Tach/Hobbs <u>2228.2</u></p> <p>Perform 50 Hour Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Service with <u>8</u> quarts of <u>15W50</u> oil. Ground run up checks OK.            For further details see Work Order No. <u>14475</u>.            Some aluminum found in filter. Aircraft going to Mattituck for further investigation</p> <p>Signed: <u>Med Hufal</u> Date: <u>5-13-03</u></p>
6-3-03			Tach 2229.2	Engine removed from service, disassembled, cleaned, inspected, repaired as necessary for a BAD BEARING. Reassembled and reinstalled in C-177B S/N 17702575.
C/W AD 91-14-22			By C/W SB475B	Corque bolt to 204 lbs. Bolt lock plate. The following new or newly overhauled parts were installed at the time of this repair: crankshaft, crankset, Rob nuts & bolts, Rod & main brgs, Crank springs & plates, and drive lock ring, Piston rings, oil slinger & mag drive cushions
C/W AD 90-04-061			By Inspection of prop Gouline & Settings.	Engine Ground Run, Leak checked & adjusted as necessary. Operational check satisfactory. This engine is air-worthy with respect to the work performed and is approved for return to service. Ref work 30680 Teletype Mattituck Services C/W T102507 Michael Russell
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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

MAKE <u>LYC</u>		MODEL <u>O-360-A1E0</u>		SERIAL No./N No. <u>L-22473-26A</u>	
TOTAL TIME		TACH READING	<u>2556.7</u>	DATE	<u>7-1-03</u>
Perform 25hr inspection leak down readings as follows 174/20 274/20 374/20 474/20 DRAMD ENGINES OIL & CHECKED FILTER FOR CONTAMINATION NONE FOUND SCANICHO ELEMENT WITH 7QTS EXXON 100 MINERAL OIL 50 <sup>WT</sup> WITH A NEW OIL FILTER. BALANCED PROPELLER AS PER THE PUBLICATION THE CARBURETOR PROPELLER SEE FORM 337 THIS DATE START IPS 0.29 FINISH IPS 0.07 THIS ENGINE IS AIR WORTHY WITH RESPECT TO THE WORK PERFORMED					
TELEDYNE MATTITUCK SERVICES, INC. FAA Repair Station T10R507Y W.O. No. <u>19168</u>				 Authorized Signature <i>Michael P. Russell</i>	

**Styles Rebuilding Inc. FAA CRS# S36R366N**  
**August 19, 2003 – Cessna 177B, reg# N19519, s/n 17702575**

Drained oil. Removed and replaced oil filter, Champion p/n CH48103.  
 Serviced engine with 8 qts. Exxon Elite 20W50 oil.  
 Removed, cleaned, and gapped spark plugs (6).  
 Engine run-up and leak good at this time.

All work in accordance Cessna Illustrated Parts Catalog 1968 thru 1978 Model 177 Series, manual p/n P695-12, dated 15 April 1996; and Cessna Model 177 Series 1968 thru 1978 Service Manual, manual p/n D841-8-13, change 8, dated 2 October 1995.

The aircraft engine identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Administration and is approved for return to service.

Pertinent details of this repair are on file at this repair station under work order# 378.

Signed: *David A. Hoyt*  
 David A. Hoyt  
 Chief Inspector

SUB-TOTALS this page			
TOTALS—Carry forward to next page			

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

**Styles Rebuilding Inc. FAA CRS# S36R366N**  
**October 30, 2003 – Cessna 177B, reg# N19519, s/n 17702575, tach: 2347.0**  
 Drained oil. Removed and replaced oil filter, Champion p/n CH48103.  
 Serviced engine with 8 qts. Exxon Elite 20W50 oil.  
 Engine run-up and leak good at this time.  
 All work in accordance Cessna Illustrated Parts Catalog 1968 thru 1978 Model 177 Series, manual p/n P695-12, dated 15 April 1996; and Cessna Model 177 Series 1968 thru 1978 Service Manual, manual p/n D841-8-13, change 8, dated 2 October 1995.  
 The aircraft engine identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Administration and is approved for return to service.  
 Pertinent details of this repair are on file at this repair station under work order# 407.

Signed: *Richard H. Briggs*  
 Richard H. Briggs  
 Director of Maintenance

**C&W Aero Services Inc. CRS # HX1R208K.**

Essex County Airport (CDW) 19 Wright Way suite 3, Fairfield, NJ 07004

Reg #: N19519 Make: Cessna  
 S/N: 17702575

Rem  
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**WORK ORDER**

Work Order No. 58962 Customer JOHN AVERY  
 Part No. 1D-5034 Serial No. BU-15-1596  
 Nomenclature MA-4-5 Marvel CARBURETOR  
 Description of work performed INSTALLED New FLOAT KIT + FLOAT VALVE ASSY.  
C/W SB MSA-1 (METAL FLOAT)

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

Signed:

Date 11-3-03 Signed *Mark Stepanchuk*  
**TELEDYNE MATTITUCK SERVICES, INC.**

FAA Repair Station T10R507Y

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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Reg #	Cylinder Number				Engine	
76	2	3	4	5	6	
80	80	80	80	80	80	80

COMPRESSION CHECK

rought forward from previous page

I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND HAS BEEN FOUND AIRWORTHY. DETAILS ON FILE AT THIS AGENCY ON WORK ORDER No. 1740

T/C Total Time 2377.6 Tach/Hobbs Reads 2377.2  
 Aging Total Time 2377.2 TSMO 305.1  
 No. 4-1-04 Signed [Signature]  
 NEW AERO SERVICES INC. CRS #HXTR208K

change oil + f. Hr. Cut f. Hr to check for metal, none find. Service with 8qts 20W50 Exxon Elite. Replace intake air filter element. Check Lycoming 5B543B X/A by gasket P/N. Replace broken arm on carb heat control. Comply with AD 96-12-07 Impulse Coupling. Remove Mag and check Impulse  $X = 0.039 / 0.037$   $X = 0.040 / 0.038$ . Test primary and secondary coils OK, check capacitor and points OK. Reset points and E gap. Reinstall and Time to engine.

7  
6

SUB-TOTALS this page

TOTALS—Carry forward to next page

MAKE LYC MODEL O-360-A1P6D SERIAL No./N No. L-22473-36A

TOTAL TIME	TACH READING	DATE
	<u>2410.8</u>	<u>7-1-04</u>

DRAIN ENGINE OIL AND CHECKED FILTER FOR CONTAMINATION HOME FAN  
 NONE FOUND. SERVICED ENGINE WITH 8 QTS 20-50 EXXON  
 ELITE OIL WITH A NEW OIL FILTER. CHAMPION CH48103-1. REMOVED  
 ALL SPARK PLUGS AND CHECKED & RE-INSTALLED THIS ENGINE  
 IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.

— END —

TELEDYNE MATTITUCK SERVICES, INC.  
 FAA Repair Station T10R507Y  
 W.O. No. 19315



*Mahlon P. Russell*  
 Authorized Signature


MAKE LYC MODEL O-360-A1P6D SERIAL No./N No. L-22473-36A

TOTAL TIME	TACH READING	DATE
	<u>2443.4</u>	<u>10-26-04</u>

DRAIN ENGINE OIL AND CHECK FILTER FOR CONTAMINATION HOME FAN  
 SERVICED ENGINE WITH 8 QTS 20-50 EXXON ELITE OIL WITH  
 A NEW CHAMPION CH48103-1 OIL FILTER. REPAIRED BRACKET  
 AIR FILTER ELEMENT. THIS ENGINE IS AIRWORTHY  
 WITH RESPECT TO THE WORK PERFORMED — END —

TELEDYNE MATTITUCK SERVICES, INC.  
 FAA Repair Station T10R507Y  
 W.O. No. 19363



*Mahlon P. Russell*  
 Authorized Signature


SUB-TOTALS this page

TOTALS—Carry forward to next page

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

**OIL / FILTER CHANGE**

TACH TIME: 2982.1 DATE: 2/23/05

FILTER: CH48103-1 OIL: EXXON ELITE 20W 50

BY: JOHN C. AVERY CERT# 2759224

RETURN TO SERVICE:

SN-L22 473-56A *J.C. Avery* L7C. 0360-A1F6D

I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN Advanced INSPECTION AND HAS BEEN FOUND AIRWORTHY. DETAILS ON FILE AT THIS AGENCY ON WORK ORDER No. 18647

A/C Total Time 2998.9 Tach/Hobbs Reads 2998.9

Engine Total Time 2498.9 TSMO 516.8

Date 1-12-05 *John C. Avery*

C&W AERO SERVICES, INC. CRS#HX1R208K

g #	Engine					
	Cylinder Number					
1	2	3	4	5	6	
80	80	80	80	80	80	80

COMPRESSION CHECK

Change oil+filter. Cut filter to check for metal, none found. Service with 79ts 20W50 Exxon Elite oil. Repair carb heat box and replace shaft and valve assy. Clean grinding strap engine to mount contact points.

SUB-TOTALS this page

TOTALS—Carry forward to next page


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

MAKE LYC MODEL 0-360-A1P6D SERIAL No./N No. L-22473-36A

TOTAL TIME	TACH READING	DATE
	<u>2538.7</u>	<u>5-20-05</u>

DRAIN ENGINE OIL AND CHECKED FILTER FOR CONTAMINATION NONE FOUND SERVICED ENGINE WITH 7QT 20-50 ETHAN OIL FILTER REMOVED ALL SPARK PLUGS CLEANED HEAD DEPOSITS REINSTALLED SPARK PLUGS. I INSTALLED A NEW CHEVROLET 10.1 FILTER THIS ENGINE IS AIR WORTHY WITH RESPECT TO THE WORK PERFORMED.

TELEDYNE MATTITUCK SERVICES, INC.  
 FAA Repair Station T10R507Y  
 W.O. No. 19432




*Walter P. Russell*  
 Authorized Signature


MAKE LYC MODEL 0-360-A1P6D SERIAL No./N No. L-22473-36A

TOTAL TIME	TACH READING	DATE
	<u>2542.2</u>	<u>5-30-05</u>

REMOVED MAGNETO COVER CHECKED CAPACITORS + POINTS NO ABNORMALITIES NOTED. REINSTALLED COVER. REPAIRED O-RINGS ON ENGINE PRIMER. THIS ENGINE IS AIR WORTHY WITH RESPECT TO THE WORK PERFORMED. — EUD

TELEDYNE MATTITUCK SERVICES, INC.  
 FAA Repair Station T10R507Y  
 W.O. No. 19438




*Walter P. Russell*  
 Authorized Signature


SUB-TOTALS this page

TOTALS—Carry forward to next page

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

MAKE <u>LYC</u>	MODEL <u>O-340-A1F6D</u>	SERIAL No./N No. <u>L-22473-36A</u>
TOTAL TIME	TACH READING	DATE
	<u>2546.0</u>	<u>6-9-05</u>
REMOVE MAGNETO INSTALLED OVH CYM FROM TCM PH BC 62555-11 CH G05A008R. INSTALL A NEW LYC FUEL PUMP LW 15472. REPLACED GASKET UNDER OIL TEMP. PROBE. THIS ENGINE IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED — END		
TELEDYNE MATTITUCK SERVICES, INC. FAA Repair Station T10R507Y W.O. No. <u>19443</u>		
		<i>Michael J. Russell</i> Authorized Signature

**OWNER/PILOT PERFORMED MAINTENANCE**

**TASK:** INSTALL SPARK PLUGS **TACH:** 2552.8

**PARTS USED:** CHAMPION RHM 385

**OWNER/PILOT:** JOHN AVERY **CERT. #** 2759224

**DATE:** 6/7/05 **RETURN TO SERVICE:** *John C. Avery*

**OIL / FILTER CHANGE**

**TACH TIME:** 2577.2 **DATE:** 7/29/05

**FILTER:** CH48103-1 **OIL:** EXXON ELITE 20W 50

**BY:** JOHN C. AVERY **CERT#** 2759224

**RETURN TO SERVICE:** *John C. Avery*

**OIL / FILTER CHANGE**

**TACH TIME:** 2621.3 **DATE:** 10/20/2005

**FILTER:** CH48103-1 **OIL:** EXXON ELITE 20W 50

**BY:** JOHN C. AVERY **CERT#** 2759224

**RETURN TO SERVICE:** *John C. Avery*

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
<b>OIL / FILTER CHANGE</b>				
TACH TIME: <u>2666.9</u> DATE: <u>01/17/06</u>				
FILTER: CH48103-1 OIL: <u>EXXON ELITE</u>				
BY: JOHN C. AVERY CERT# 2759224				
RETURN TO SERVICE: <u>J.C. Avery</u>				

**C&W Aero Services, Inc. CRS# HX1R208K**

19 Wright Way, Suite B3, Fairfield, NJ 07004 (973) 227-5750

WO#: 19628	Tach: 2693.2	Airframe TT: 2693.2
Reg. #: N19519	Engine T.T.: N19519	SMOH: 711.1
Make: Lycoming	Model: O-360A1F6D	Serial #: 17702575

1. Change oil and filter, cut filter to check for metal, none found. Service with 8 quarts 20/50 Exxon Elite.
2. Replace engine flex hose assys.
3. Remove oil Cooler for overhaul. Reinstall same.

Compressions: #1:78/80 #2:76/80 #3:76/80 #4:78/80 #5: /80 #6: /80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a)(1) and has been found to be in AIR WORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL Date: 5/1/2006 Authorized Signature: [Signature]

**OIL / FILTER CHANGE**

TACH TIME: 2731.1 DATE: 9/8/06  
 FILTER: CH48103-1 OIL: ELITE  
 BY: JOHN C. AVERY CERT# 2759224  
 RETURN TO SERVICE: J.C. Avery

SUB-TOTALS this page

TOTALS—Carry forward to next page

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

**C&W Aero Services, Inc. CRS# HX1R208K**

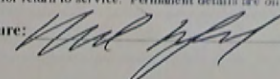
19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

WO#: 20904	Tach: 2759.2	Airframe TT: 2759.2
Reg. #: N19519	Engine T.T.: 2759.2	SMOH: 777 1
Make: Lycoming	Model: O-360-A1F6D	Serial #: L-22473-32A

1. Change oil and filter, cut filter to check for metal, none found. Service with 8 quarts 20W/50 Exxon C10
2. Check AD's.
3. Ground run up checks OK

Compressions: #1:78/80 #2:78/80 #3:78/80 #4:78/80 #5: /80 #6: /80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a)(1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

Type Inspection: ANNUAL Date: 4/13/2007 Authorized Signature: 

**C&W Aero Services, Inc. CRS# HX1R208K**

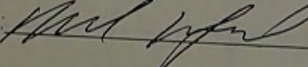
19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

Reg. #: 21515	Make: Cessna	Model: 177B
Serial #: 17702575	Tach/Hobbs: 2789.3	Total Time: 2789.3

Perform 50 Hour Inspection. Change oil and filter. Check Filter/Screen for metal and debris, none found. Service with 7 quarts of Exxon Elite 20w-50 oil.

1. Tighten loose dip stick tube and safety.
  2. Replace taxi light lamp with customer supplied lamp.
  3. Replace blown fuse on hobbs meter.
  4. Comply with Service Bulletin SB366A, visual inspection and torque check (45 in lb)
- Ground run up check OK.

For further details, see Work Order No. 21515

Signed: 

Date: 12/26/2007

SUB-TOTALS this page

TOTALS—Carry forward to next page

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

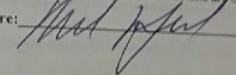
**C&W Aero Services, Inc. CRS# HX1R208K**  
19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

WO#: 21937	Tach: 2793.0	Airframe TT: 2793.0
Reg. #: N19519	Engine T.T.: 2793.0	SMOH: 810.9
Make: Lycoming	Model: O-360-A1F6D	Serial #: L-22473-36A

1. Comply with Annual / 100 Hour Inspection
2. Change oil and filter, cut filter to check for metal, none found. Service with 7 qts 20/50Exxon Elite oil
3. Comply with annual inspection on Power Flow Exhaust System as per Instructions for Continued Airworthiness.
4. Wash engine compartment with mineral spirits.
5. Ground run up checks OK

Compressions: #1:76/80 #2:74/80 #3:76/80 #4:76/80 #5: /80 #6: /80

I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a)(1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station.

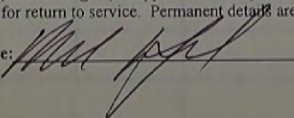
Type Inspection: ANNUAL Date: 4/18/2008 Authorized Signature: 

**C&W Aero Services, Inc. CRS# HX1R208K**  
19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750

WO # 22786	Tach: 2798.8	Aircraft TT: 2798.8
Reg. #: N19519	Ser #:	Manuf.: Cessna Model: 177B

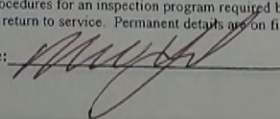
1. Drain oil and service with 8 quarts Phillips 20/50 preservative oil. Motor engine through to circulate oil and build pressure.
2. Pull battery for storage.
3. Leave spark plug wires loose so engine can be motored over prior to starting to build oil pressure.

This aircraft, airframe, aircraft engine, or appliance was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Permanent details are on file at this Repair Station.

Authorized Signature:  Date: 11/22/2008


SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>C&amp;W Aero Services, Inc. CRS# HX1R208K</b> 19 Wright Way, Suite #3, Fairfield, NJ 07004 (973) 227-5750				
WO#: 25659		Tach: 2799.9		Airframe TT: 2799.9
Reg. #: N19515		Engine T.T.: 2799.9		SMOH: 817.8
Make: Cessna		Model: 177B		Serial #: 17702575
1. Comply with Annual / 100 Hour Inspection 2. Drain Phillips Preservative Oil. Change oil filter, cut filter to check for metal, none found. 13.5 qts 20W50XC Type M Phillips oil. 3. Remove spark plugs to motor over engine to build oil pressure prior to starting. 4. Clean spark plugs. 5. Drain all fuel from aircraft, including non-useable fuel. Fill with 52 gallons 100LL. 6. Cylinder #1 oil return line fitting leaking. Remove fitting, clean threads, apply Permatex sealant and reinstall. 7. Mags out of time, 22°. Reset mag timing to spec 25°. 8. Comply with Power Flow Exhaust System Instructions for Continued Airworthiness Annual Inspection as per Installation Manual / Instructions for Continued Airworthiness P/N PFS 13704, Section 6. No defects noted. Disassemble all slip joints and lube with Hi Temp Anti Seize Compound as called out in Instructions for Continued Airworthiness.				
9. Engine oil fill tube loose and leaking. Remove tube, clean, reinstall, tighten and safety. 10. Wash engine compartment with mineral spirits. 11. Ground run up checks OK  Compressions: #1:79/80 #2:79/80 #3:77/80 #4:76/80 #5: /80 #6: /80				
I certify that this ENGINE has been inspected in accordance with inspections and procedures for an inspection program required by FAR 91.409(a)(1) and has been found to be in AIRWORTHY condition and approved for return to service. Permanent details are on file at this Repair Station. Type Inspection: ANNUAL Date: 8/16/2011 Authorized Signature: 				
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
9/2/2011	Tach Time 2810	Acft TT 2810	Engine TT 2810	SMOH 828.8 Ran all spark plugs, cleaned, gapped, tested and rotated, plugs top to bottom etc. Checked propeller trim and found to be correct at this time. <u>Sign By 2030420 AP</u> End of Entry
10/24/2011	Tach Time 2825.8	Acft TT 2825.5	Engine TT 2825.8	SMOH 844.3 Drained oil, removed oil filter and opened filter and checked for metallic particles, none noted at this time. Reordered engine with 8qts of Phillips XC-20W50 and re-installed new oil filter Champion 48103-1 and re-softed filter washed engine and cooling down, test run engine and checked for leaks and none noted at this time. Serviced engine with Can Guard oil additive along with the Phillips XC-20W50. <u>Sign By 2030420 AP</u> End
10/26/2011	Tach Time 2826.3	Acft TT 2826.3	Engine TT 2826.3	SMOH 845.1 Adjusted engine idle speed with engine running at proper temperature. Checks OK. <u>Sign By 2030420 AP</u> End
1/10/2012	Tach Time 2850.8	Engine TT 2850.8	SMOH 870.1	Drained oil, took sample for oil analysis, removed filter, checked for metal particles, re-installed new Champion 48103-1 filter & softed, drained oil cooler, and re-softed. Serviced engine with 8qts Phillip XC-20W50, and 45L can guard oil additive test run engine, checked for leaks, none noted at this time. <u>Sign By 2030420 AP</u> — End of Entry
				SUB-TOTALS this page
				TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
7/13/2012	Tach 2937.5	SNOH 955.4		Drained oil, removed oil filter reserviced engine with 8qts Phillips XE20W50 and 1 pint of ASL cam guard Installed new 481031Champion oil filter and settled Drained oil cooler when removing engine oil - resaffited also. Ran engine checked for leaks, none found. <i>James D. White</i> AP 2030420 End of Entry

7/13/2012	Tach 2937.5	SNOH 955.4		Removed SIGMA tek Inc Dry air pump P/N 1U478-003 model 1U478 serial # T830B and installed New Airborne model 215CC Dry vacu pump serial #1779701 Checked system operation and found to be airworthy at this time <i>James D. White</i> AP 2030420 End of Entry
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8-6-13	Tach 2941.3			Dynamically balanced propeller and engine using ACES Pro-Balancer system. <i>James D. White</i> CRS K02R959K Montiello Aviation, Inc.
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August 20, 2012      N19519      Cessna 177B      S/N: 177-02575      Engine TSMO = 963.4 Hrs.

Engine/propeller was balanced using an ACES Model 2020 (S/N 18165) per the ACES manual. The initial measured vibration was .19 IPS and the final solution produced a measured vibration of .02 IPS. This solution required a hardware (AN525-3 machine screw, assorted AN960-10 and AN970-10 flat washers and an AN365-3 elastic stop nut) mass totaling 23.6 grams be attached to the spinner backplate 43.5 degrees CCW from the index --- the middle of one propeller blade. The spinner was reinstalled and the aircraft engine cowl was reinstalled. The aircraft and affected components were inspected in accordance with the current FAA regulations and is approved for return to service.

*James D. White*  
James D. White    A&P 3238656


SUB-TOTALS this page  
TOTALS—Carry forward to next page



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

4/14/13 Tach Time 2958.4 SMOH 976.1 Assisted owner in correcting intermittent magнето problems found #4 Plug fouled and #1 top lead to be intermittent. Removed wiring harness and purchased new shielded harness from Aircraft Systems, Rockford Ill. Installed harness onto engine, reference slick form L-1318 as Application Data, and Licensing Service Manual. Removed and cleaned all spark plugs and reinstalled in engine. Test run checked Mag drop and check out Test Flew Aircraft, and check ok at this time and date April 20, 2013  
End of Entry

4/5/2013 Tach Time 2969.7 SMOH 987.4 Removed Magnafite starter from ElectroSystems JAS P/N MZ-6222 Serial number C113135 from engine and installed Sky-Tec model number 149-NL serial number FN-021330 in accordance with 43.13 1A FAA # PQ0852SW supplement Number 7 per CFR 14 part 21 weight and balance negligible  
John Sy A+P 2030420

**FAA - PMA**

This tag certifies that Sky-Tec Model No. **149-NL**  
 Serial No. **FN-021330** was manufactured new on 17 Jan 2011  
 by Sky-Tec under the authority of FAA PMA No. PQ0852SW Supplement  
 No. 7 per CFR 14 Part 21 in accordance with Sky-Tec's  
 FAA-Approved Fabrication Inspection System (CFR 14 Part 21 §21.303) and  
 conforms to the relevant FAA-approved drawings. This part has been  
 determined to be airworthy.  
 For installation eligibility see [www.skytecair.com/eligibility.htm](http://www.skytecair.com/eligibility.htm)  
 Starter Installed on **N 19519** by John Sy A+P  
 (Aircraft) (Mechanic) 2030420

Form CC1108-1

End of Entry

**SUB-TOTALS** this page  
**TOTALS**—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
	TACH TIME			
4/29/13	2976.5	997.2		Drained oil & removed oil filter. Reserviced engine with 8 qts. of Phillips X/C 20W50 and 1 Pt. of ASL Conguard. Installed new 48103-1 Champion Oil Filter and safetied. Drained oil cooler when draining engine oil, Re-safetied drain cap. Ran engine - checked for leaks - none found. Huff & Luedtke - 353 2747 End of Entry
	TACH TIME			
7-5-13	3001.5	1019.2		Drained oil & removed oil filter. Reserviced engine with 8 qts. of Phillips X/C 20W50 oil and 1 Pt. of ASL Conguard. Installed new 48103-1 Champion oil filter and safetied. Drained oil cooler when draining engine oil, Re-installed drain cap and safetied. Ran engine - checked for leaks - none found. Cut oil filter & checked for metal - none found. Huff & Luedtke - 353 2747 End of Entry
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

Date: 10/18/7  
 Tach/Hobby:  
 Total Time:  
 TSMOH:

Cylinder Co	
#1	#2
78/80	

1. Inspected
2. Changed
3. Washed & hose clamp cracks, rein

I certify this  
 airworthy  
 Work Order  
 Name: Paul

Signed: \_\_\_\_\_  
 Certified I

3-14

5/1

Date: 10/18/2013  
 Tach/Hobbs: 3027.7  
 Total Time: 3027.7  
 TSMOH: 1045.6

**Blue Skies**   
**Blue Skies over Dubuque Inc.**  
**Airplane Maintenance**  
 10800 Airport Road  
 Dubuque, Iowa 52003  
 Repair Station #YQYR343B  
 563-582-1293

Page No.

RMED—  
 PERFORMING WORK

Cylinder Compressions

#1	#2	#3	#4	#5	#6
78/80	72/80	78/80	76/80	80	80

1. Inspected engine per FAR Part 43 appendix D checklist.
2. Changed oil & filter, cut open filter & inspected for metal, serviced engine with Phillips 20W-50 oil.
3. Washed & re-oiled induction air filter. 4. Replaced gasket under oil pressure switch. 5. Secured oil return line hose clamps. 6. Replaced 1 spark plug. 7. Removed exhaust system from engine, pressure tested for leaks & cracks, reinstalled with new gaskets.

I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order #78487

Name: Paul M. Kaune

Signed: Paul M. Kaune  
 Certified Repair Station # YQYR343B

3-14-14	3052.7	1070.6	Drained oil & Removed oil Filter Serviced engine with 8qts. of Phillips x/c 20w50 oil and 1pt. of ASL Camguard. Installed new Champion oil Filter - 48103-1. Drained oil cooler, reinstalled drain cap. Safetied oil Filter & oil cooler drain cap. Cut oil Filter, checked for metal, none found. Ran Engine - Checked for leaks - none found.
5/15/14	3078.4	1,096.3	<u>Paul M. Kaune - 353 2747</u> Drained oil & Removed oil Filter Serviced engine with 8qts of Phillips x/c 20w50 oil & 1pt. of ASL Camguard. Installed new Champion Oil Filter - 48103-1. Drained oil cooler. Reinstalled drain cap. Safetied oil Filter & oil cooler drain cap. Cut oil Filter, checked for metal, none found. Ran engine, checked for leaks, none found.
			<u>Paul M. Kaune - 353 2747</u>
			SUB-TOTALS this page
			TOTALS—Carry forward to next page



Date: 11/4/2014  
 Tach/Hobbs: 3138.7  
 Total Time: 3138.7  
 TSMOH: 1156.6

**Blue Skies**   
**Blue Skies over Dubuque Inc.**  
**Airplane Maintenance**  
 10800 Airport Road  
 Dubuque, Iowa 52003  
 Repair Station #YQYR343B  
 563-582-1293

Page No.

RMED—  
 PERFORMING WORK

Cylinder Compressions

#1	#2	#3	#4	#5	#6
80/80	74/80	78/80	72/80	78	78

1. Inspected engine per FAR Part 43 appendix D checklist.
2. Washed & re-oiled induction air filter.
3. Cleaned & tested spark plugs.
4. Removed exhaust system from engine. Pressure tested for leaks & cracks. Reinstalled exhaust with new gaskets.

I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order #79144

Name: Paul M. Kaune

Signed: Paul M. Kaune  
 Certified Repair Station # YQYR343B

12/19/14	3153.7	1,171.6	Drained oil + Removed oil Filter. Serviced engine with 8qt. of Phillips x/c 20w50 oil + 1pt of ASL Caanguard. Installed new Champion oil Filter Pk 48103-1. Drained oil cooler, reinstalled drain cap + Sealed drain cap and oil Filter. Cut oil Filter, checked for metal, none Found. Ran Engine, checked for leaks, none Found. <u>Paul M. Kaune - 3532747</u> End of Entry
5/2/15	3178.7	1,196.6	Drained oil & Removed oil Filter. Serviced engine with 8qt. Phillips x/c 20w50 + 1pt ASL Caanguard. Installed new Champion oil Filter Ch 48103-1. Drained oil cooler, reinstalled drain cap & sealed cap & oil Filter. Cut oil Filter, checked for metal, none Found. Cleaned & re-oiled induction air Filter. Ran Engine, no leaks. <u>Paul M. Kaune</u>
			SUB-TOTALS this page 3532747
			TOTALS—Carry forward to next page End of Entry

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7/0/15	3,203.6	1,221.5		TOTALS brought forward from previous page
				Drained oil + Removed oil Filter.
				Drained oil cooler. Serviced engine
				with 8qts Phillips X-C 20W50 oil and
				1 pt. ASC Camguard oil additive.
				Installed new oil filter Champion 48103
				and replaced oil cooler drain cap.
				Setened the oil filter and oil
				cooler drain cap. Cut oil Filter
				checked for metal, None found.
				Rev Engine, checked for leaks, None Found.
				Flight to Dunes 3532747
				End at Entry

Date: 10/26/2015  
Tach/Hobbs: 3251  
Total Time: 3251  
TSMOH: 1268.9



**Blue Skies over Dubuque Inc.**  
**Airplane Maintenance**  
10800 Airport Road  
Dubuque, Iowa 52003  
Repair Station #YQYR343B  
563-582-1293

Cylinder Compressions

#1	#2	#3	#4	#5	#6
78/80	78/80	78/80	78/80	↕	↕

1. Inspected engine per FAR Part 43 appendix D checklist.
2. Changed oil & filter. Serviced engine with Phillips 20W-50 oil.
3. Cleaned carburetor inlet screen & replaced gasket.
4. Cleaned & tested spark plugs.

I certify this engine has been inspected in accordance with a Annual Inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order #79715  
Name: Paul M. Kaune

Signed: Paul M. Kaune  
Certified Repair Station # YQYR343B

11-23-15	3261.5	1279.4	Check Dynamic Propeller balance with Vibrex 2000. Find to be .081PS @ 3:10-2212 RPM. balance weights installed inside spinner periphery 16.5 grams @ 10:30 position. This balance is very good per Vibrex 2000 user guide. No further action required. Do NOT disturb weights.
			SUB-TOTALS this page
			TOTALS—Carry forward to next page

over  
Dugan Mott  
FAA CRS CSURAK with 934

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
11-23-15	3261.5	1279.4	3261.5	<p>The aircraft and/or component identified on the reverse side was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this agency.</p> <p>See preceding page prop/engine balance check</p> <p>Work Order No. <u>9342</u> Date <u>11-23-15</u>                      Signature <u>[Signature]</u> for _____                      F.A.A. Approved Repair Sta. No. <u>CSLR991C</u>                      Lindner Aviation Inc.</p>
1-14-16	3276.2	1294.1	3276.2	<p>Drained oil + Removed Oil Filter.                      Drained oil cooler. Serviced engine with 8qts Phillips X/C 20W50 oil and 1pt. of ASL Camguard oil additive. Installed new oil Filter Tempest AA4803-2. Replaced oil cooler drain cap. Safetied the oil Filter and drain cap. Cut oil Filter, checked for metal, none found.                      Ran Engine, Checked for leaks, none found.                      Ray L. Zane 3532747</p> <p>End of Entry</p>
4-5-16	3,301.2	1,319.1	3,301.2	<p>Drained oil + Removed Oil Filter.                      Drained oil cooler. Serviced Engine with 4 qts Phillips X/C 20W50 oil and 1pt of ASL Camguard oil additive. Installed new oil Filter, Tempest AA 48103-2. Replaced oil cooler drain cap. Safetied the oil Filter and drain cap. Cut oil Filter, checked for metal, none found. Ran Engine, checked for leaks, none found.                      Ray L. Zane 3532747</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
5/20/16	3327.3	1,222.7	3327.3	<p>Drained oil &amp; Removed oil filter                      Drained oil cooler. Serviced engine with 8qt. Phillips X/C 20W50 and 1 pt. of ASL Camguard oil additive. Installed new oil filter, Tempest AA48103-2. Replaced oil cooler drain cap. Safetied the oil filter and the drain cap. Cut oil filter, checked for metal, none found. Ran engine, checked for leaks, none found.</p> <p><i>Walt E. Hand</i> 3532747                      End of Entry</p>
6/16/16	3352.0	1,244.4	3352.0	<p>Drained oil &amp; Removed oil Filter                      Drained oil cooler. Serviced engine with 8qt. Phillips X/C 20W50 and 1 pt. of ASL Camguard oil additive. Installed new oil filter, Tempest AA48103-2. Replaced oil cooler drain cap. Safetied the oil filter and oil drain cap. Cut oil filter, checked for metal, none found. Ran Engine, checked for leaks, none found.</p> <p><i>Walt E. Hand</i> 3532747                      End of Entry</p>
7/12/16	3377	1,272.4	3377.0	<p>Drained oil &amp; Removed oil filter, drained oil cooler,                      Serviced engine w/ 8qt. Phillips X/C 20W50 &amp; 1 pt ASL Camguard oil additive. Installed new oil filter, Champion CH48103-1. Replaced oil cooler drain cap, safetied oil filter &amp; drain cap. Cut oil filter, NO metal. Ran engine, NO leaks.</p> <p><i>Walt E. Hand</i> 3532747</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page





