



The Standard

ENGINE LOG

ASA/SE-2

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>93</u>				
				<p>+ certify this aircraft has been inspected in accordance with 4 N AD 91-14-22 inspection and was determined to be in air worthy condition Engine TOTAL Time 3989.6 HRS. 740.6 HRS TACH. Engine Since MAJOR O/H - 0 - HRS. Signed <u>Paul P. Bender</u> IA Date <u>4-15-93</u> 1 & P <u>3806/8926 IA</u> Propeller TOTAL Time 3989.6 HRS.</p>
				<p>Removed Engine From Aircraft AND Disassembled For OVERHAUL SENT ALL STEEL PARTS TO AIRCRAFT ENGINE AND ACCESSORY INC. DALLAS TX, CRANKSHAFT WAS INSPECTED IN ACCORDANCE WITH AD 91-14-22 SERVICE BULLETIN # SB 475A SEE MAINTENANCE Release Date MARCH 10, 93 WORK ORDER # 61836 CONNECTING RODS WERE INSPECTED AND RECONDITIONED SEE MAINTENANCE Release DATED 2-25-93 WORK ORDER # 61837 BY AIRCRAFT ENGINE & ACCESSORY INC OR (A.E. & A.I.) INSTALLED CONNECTING RODS USING NEW BOLTS (8) # 74644 AND (8) NEW NUTS # SL 12186 INSTALLED RECONDITIONED CAM SHAFT BY (A.E. & A.I.) DATED FEB 26, 1993 SEE WORK ORDER # 61835 MAINTENANCE Release, ALSO INSTALLED 8 RECONDITIONED TAPPET BODIES BY (A.E. & A.I.) DATED 3-3-93 WORK ORDER # 61838 SEE MAINTENANCE Release, Engine CASE, SUMP, AND REAR CASE WAS INSPECTED BY ZYGLO BY GIBSON AVIATION OF EL RENO OK, PER WORK ORDER # 6972 DATED</p>

(4) NEW EXH PAR

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>93</u>				
				RIGHT HAND MAGNETO # 1209 SERIAL # 10-349305-1 AND
				LEFT HAND MAGNETO # 1227 " # 10-349365-3 INSTALLED
				(2) NEW COILS PART # 10-391088-1 AND (2) CONDENSERS PART #
				10-349276 AND (2) POINTS PART # 10-382585 INSTALLED
				NEW IMPULSE COUPLER PART # 10-349359 (2) CLIPS SHAFT
				PART # 10-92815-42 (4) COIL HOLD DOWN WEDGES # PART #
				10-349219 (2) SLINGER PART # 10-349248 GREASED ROLLER
				BEARING AND REINSTALLED AND SET POINTS AND INTERNAL TIMING
				AND REASSEMBLED MAGNETO'S IN ACCORDANCE WITH Bendix
				SERVICE MANUAL & MANUAL. REINSTALLED AND TIMED
				MAGNETO'S TO ENGINE, IN ACCORDANCE TO SPEC'S
				ALSO INSTALLED ^{NEW} ENGINE DRIVEN FUEL PUMP PART #
				LW15472 PUMP DOES NOT APPLY TO AD. # 93-05-21
				PUMP WAS SHIPPED FROM LI/COMING ENGINE INC. INSTALLED
				NEW IGNITION HARNESS M2365 ALSO INSTALLED NEW
				FUEL AND OIL LINES AEROQUIP FROM AIR PARTS INC
				IN WICHITA, KA. WORK ORDER # 1-0249446 DATED.
				3-8-93 ENGINE WAS REASSEMBLED IN ACCORDANCE WITH

4-15-93

DATE 1993	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				AVCO Lycoming OVERHAUL MANUAL PART # 60294-7 AND IN ACCORDANCE WITH Lycoming O-360-A PARTS MANUAL PART # PC-306-1 SERVICED ENGINE WITH 8 QTS AERO SHELL 50 WT MINERAL OIL AND INSTALLED NEW CHAMPION OIL FILTER # CH 48110 ENGINE WAS RUN-UP AND ADJUSTED AND RIGGED ENGINE CONTROLS AND SET IDLE, AND IDLE MIXTURE AND OIL PRESSURE SETTING. FUEL PRESSURE NORMAL AND ELECTRICAL FUEL PUMP OPERATION NORMAL ENGINE WAS RUN-UP IN ACCORDANCE WITH Lycoming ENGINE OVERHAUL MANUAL SECTION 9 TEST PROCEDURES. ENGINE OPERATION NORMAL NO LEAKS WERE DETECTED. Wm. P. Budan ATP 380648976 IA. ← END →
4-17-93				ACRAFT WAS TEST FLOWN BY OWNER FOR APPROX 1 HR OPERATION NORMAL.

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE
19__			
5-12-93		750.4 HZ T	
CHANGED OIL FILTER			
AEROSHELL 50WT			

Tanis Aircraft Services Inc.

P.O. Box 117
Glenwood, Minnesota 56334



Model TAS100-03 PIN

Superior Instrument Service, Inc.

6544 Highland Road
WATERFORD, MICHIGAN 48327



Repair Station # UM2R218L
(3754)

Class 1, 2, 3, & 4

Customer HARBOR AIR
 Inst. DIRECTIONAL GYRO
 Type 6406-14L Serial 21082
 W.O. 23552 P.O. _____

- Overhaul Serviceable
 Repair Only Estimate
 Bench Test Unserviceable

Customer Instructions:

UNIT MOUNTS ALL
 MAKE SURE THIS
 DATE.

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-12-93		750.4 HR TACH.		DRAINED Engine OIL CHECK SCREEN
		CHANGED OIL FILTER		CHY8100 SERVICES Engine WITH 89TS
		AEROSHELL 50WT		MINERAL OIL RUN UP NORMAL NO
		LEAKS WERE FOUND		NEXT OIL CHANGE DUE @ 775.4 HR TACH
				Dull P. Bulw AP32064 8972 IA
				← End →
11-6-93		798.3 HR TACH		DRAINED Engine OIL AND CHANGED FILTER
		AND REMOVED SCREEN		AND SERVICES Engine WITH 89TS
		AEROSHELL 15W50WT		Engine OIL AND INSTALLED TAVIS
		Engine HEATER UNIT		# TAS 100-03 SERIAL #
	21106	OPERATION		NORMAL NO LEAKS DETECTED.
				Dull P. Bulw AP32064 8976 IA
				← End →

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Tanis Aircraft Services Inc.

P.O. Box 117
Glenwood, Minnesota 56334



Name Proheater Model TAS10003 P/N _____

S/N 21106 Eligible On _____

For complete application and interchange listings see
TANAIR master sheet.

AND SERVICES ENGINE WITH PETS
ENGINE OIL AND INSTALLED TANIS

Model TAS 100-03
Preheater

This **TANAIR**® Preheater
is manufactured under
FAA-PMA and is eligible
by that approval on the
following engines:

Lycoming O-320 D1D, O-320 D2B, O-320 D2J,
O-320 D3G, O-320 E2A, O-320 E2C, O-320 E2D,
O-320 E3D, O-360 A1A, O-360 A1D, O-360 A1F6,
O-360 A1F6D, O-360 A1G6D, O-360 A2D, O-360
A2F, O-360 A2G, O-360 A4A, O-360 A4AD, O-360
A4D, O-360 A4G, O-360 A4J, O-360 A4K, O-360
A4M, O-360 C1A, O-360 C2D, O-360 C2E, O-360
F1A6, HO-360 B1A, HO-360 B1B, O-360 C1F,
IO-320 E2A, LIO-320 B1A, IO-320 B1A, LIO-320
C1A, IO-320 C1A, VO-360 A1A, VO-360 A1B,
VO-360 B1A, IVO-360 A1B, IVO-360 B1A, IO-360
A1A, IO-360 A1B, IO-360 A1B6, IO-360 A1B6D,
IO-360 A1D, IO-360 A2B, IO-360 A3B6D, IO-360
B1A, IO-360 B1B, IO-360 B1E, IO-360 C1C, IO-360
C1C6, IO-360 C1E6, LIO-360 C1E6, IO-360 C1D6,
HIO-360 A1A, HIO-360 B1A, HIO-360 B1B,
HIO-360 C1A, HIO-360 C1B, HIO-360 D1A,
HIO-360 E1AD, HIO-360 F1BD, HIO-360 F1AD

Mechanic

Inspector

Charles D. Fine
Charles D. Fine
2349252

The aircraft and/or component indentified above
was repaired and inspected in accordance with
current Federal Aviation Administration Regu-
lations and was found airworthy for return to
service. Pertinent details of the repair are on file
at this agency under Work Order No. 23552

Date

Released by

for

11-23-93
Charles D. Fine
2349252

SUPERIOR INSTRUMENT SERVICE, INC.
Cert. No. UM2R218L

6544 Highland Road

Waterford, MI 48327

AND ALTERATIONS
CERTIFICATE NUMBER C
OTHER SPECIFIC ENTRIES.)

Screen

Maintenance Release



The aircraft, airframe, aircraft engine, propeller or appliance identified below 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 repairs are on file at this repair station under Work Order # 39349

Dated 07-22-94

Inspected By

Cert. #

SERVICEABLE

Name Bordano Air Inc.

Unit muffler

Aircraft Cessna 177 ID#

Disposition repaired

Reason For Removal

Removed By _____ Date _____

A D or Service

Bulletins

Work

Performed

FAA Certificate No. NJ5R069N

DAWLEY AVIATION

140 INDUSTRIAL DR.
BURLINGTON, WI 53105
1-800-338-5420

TS

DATE	RECORDING TACH TIME	
19 <u>94</u>		
<u>7-24-94</u>		<u>To Dawley Aviation</u>
		<u>New gaskets</u>
		<u>AT THIS TIME</u>
		<u>NOZM</u>
		<u>871.6 HRS TACH</u>
		<u>10-17-94</u>
		<u>Filter</u>
		<u>AERO Shell</u>
		<u>leaks were detected</u>
		<u>← END → (TACH READS 871.6 HRS)</u>
		<u>9-16-95</u>
		<u>END</u>

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DATE 19 <u>94</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-24-94	94	853.4 HRS TACH		Removed Muffler Assy And Sent To Dawley Aviation For Overhaul Re-installed using New gaskets and bolts also had (4) Risers Assy Overhauled At this time Re-installed No leaks detected operation Nozmar Dul P. Borden AIP 380648976 IA
				← END →
	(871.6 HRS TACH) 10-17-94	DRAINED	ENGINE OIL AND	CHANGED OIL FILTER REPLACED FILTER WITH CH48110 AND SERVICED ENGINE WITH 8QTS AEROSHELL 15W50 WT ENGINE OIL AND RAN UP ENGINE NO LEAKS WERE DETECTED Dul P. Borden AIP 380648976 IA
				← END → (TACH READS 871.6 HRS)
7-16-95 encl PDU				

8110

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25/80

OIL

IA.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS
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3-

19⁹⁵
 5-5-95 891.342
 certify this aircraft has been inspected in accordance with AN ANNUAL inspection and was determined to be in air worthy condition.
 Signed Dul P. Balan 891.342 TACH
 P 380648976 IA Date 5-5-95

(AD Review THRU 95-09)

DRAINED Engine oil AND CHANGED OIL FILTER CH 48110 SPLIT OIL FILTER (NO METAL WAS DETECTED) SERVICED ENGINE WITH 8 QTS AERO SHELL 15W50 WT OIL. COMPRESSION TEST #1 74/80 #2 74/80 #3 73/80 #4 75/80 CLEANED GAPPED & ROTATED SPARK PLUGS INSTALL NEW 3" SCAT AIR TUBE FROM AIR FILTER TO AIR BOX INSTALLED NEW 2 1/4" AIR HOSE FOR CARB HEAT MAGNETO DROP 50/50 OIL PRESSURE & FUEL PRESSURE NORMAL
 Dul P. Balan P 380648976 IA
 ← END →

9-16-95 932.3 DRAINED ENGINE OIL - REPLACED 7 QTS AEROSHELL 15-50 WT. OIL
 ← END →
 Peter Alford Mark-Owner

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3-2-96 944.2 HR TACH Removed Engine From Airframe Resealed Center Case Due To Leakage Reassembled Engine Using New Seal And Gaskets Pistons were not removed from cylinders serviced engine with 7qt AeroShell 15W50 wt oil Run up Normal No leakage detected. Re-rigged engine controls and ^{Retightened mount bolts} timer magneto to engine Aircraft test Flown and operation Normal D.P. Buden A/P 380648976 IA
← END →

5-21-96 TACH 950.2 HR I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in air worthy condition. 950.2 HR TACH.
Signed D.P. Buden
A/P 380648976 IA. Date 5-21-96

DRAINED ENGINE OIL AND SPLIT OIL FILTER NO METAL DETECTED SERVICED ENGINE WITH 7qt AEROSHELL 15W50 WT OIL NEW FILTER INSTALLED CH 48110. -
CLEANED SPARK PLUGS AND INSPECTED THERMOSTATIC BYPASS VALVE NEXT INSPECTION
DUE 5-97 COMPRESSION TEST #1 74/80 #2 74/80 #3 71/80 #4 74/80 RUN UP NORMAL NO LEAKS DETECTED OIL PRESSURE + TEMP AND FUEL PRESSURE NORMAL MAGNETO
DROPPED 50/50 D.P. Buden A/P 380648976 IA
← END →

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
4-10	1001.0			DRAINED ENGINE OIL & REPLACED WITH 7 1/2 QT 15-50 WT AEROSHELL OIL. REPLACED FILTER CH48110 <i>Ruby Grandmark</i>
5-27-97		1007.0 HR TACH.		<p>• CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL inspection and was determined to be in air- worthy condition.</p> <p>Signed <i>D. P. Bulmer</i> AIP 380648976 IA. Date <u>5-27-97</u></p>
DRAINED	ENGINE	OIL AND	CHANGED	OIL FILTER CH48110 NO METAL WAS DETECTED. CLEANED GAPPED AND ROTATED SPARK PLUGS INSTALLED
NEW	BOTTOM	PLUGS	REM 40 E.	COMPRESSION TEST #1 75/80 #2 75/80 3# 75/80 #4 76/80
RAN UP	NORMAL	NO	LEAKS	DETECTED. ENGINE WAS SERVICED WITH 8 QTS AERO SHELL 15 W50 WT OIL
				<i>D. P. Bulmer</i> AIP 380648976 IA ENO →

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19 <u>97</u>				
7-21-97	1016.2	16.2 hrs TACH.		Installed New AIRBOURNE Vacuum Pump Assy. Model # 211CC SERIAL # 05AN002180 Installed New Vacuum System FILTER + REMOVED HOSE AND INSPECTED AND CLEANED. ALSO Installed New VOLTAGE REGULATOR UNIT FROM ZEFTRONICS INC. Part # R15100 REV A SERIAL # DNT 132
		OPERATION Normal		D. P. B. J. A + P 580648476 IA.
		←	END	→
3-3-98	1041.1			DRAINED ENGINE OIL & REPLACED WITH 7 QTS 15-50 AEROSHELL OIL J. H. H.
9-4-98	1051.8	16.8 HR TACH.		Removed Engine FROM AIRCRAFT AFTER INSPECTION OF CRANKSHAFT PER AD # 98-2-08 Disassembled ENGINE AND SENT CRANKSHAFT TO GEN AIRCRAFT FOR INSPECTION, CRANKSHAFT FAIL INSPECTION OF SERVICE BULLETIN 505. ^{INSTALLED} NEW CRANK SHAFT ASSY FROM ECI ENGINE COMPONENTS INC PART # AEL 36002-2 ORDER # 01115515 ⁰⁵⁸⁻⁶⁻⁹⁸ Installed NEW STD BEARINGS STD ROD AND MAINS (8) ^{rod} LW 13521 (4) ^{main} LW 11021 (2) ^{main} LW 13884 Installed 8 NEW Lycoming CONNECTING ROD BOLTS (8) 74664 + 8 NEW LW 12186 NUTS AND TOLGED

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ENGINE COMPONENTS, INC.
PACKING LIST

ORDER NUMBER: 01115515

Sold To: 107161
PETE VANDEMARK
415 MECOSTA AVE
BIG RAPIDS MI 49307

Ship To: 107161
PETE VANDEMARK
415 MECOSTA AVE
BIG RAPIDS MI 49307

Order Date : 08/06/98
Cust PO No. :
Printed : 08/06/98 11:01 AM
Printed by : LLW

Ship Code: 2
Location :
Ship Via : UPS
Terms : 6 M/C-VISA
STATUS : OK
Spec Inst:

Description	Part #	Shipped	U/M
Class/Type 360 SERIES CRANKSHAFT NEW AEL36002-2 63938-01C Complete	AEL36002-2	1.00	EACH

\$100.00 TOOK AWAY FROM PRICE FOR TRADESHOW COUPON
4030.75 LESS 100.00

Call 1-800-ECI-2FLY (1-800-324-2359) for information on our
NEW Cerminil process and a copy of our latest
edition of the Break-in Manual

CR CARD 3930.75

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San Antonio, TX 78217

SHIPPING ADDRESS:
9503 Middlex
San Antonio, TX 78217

Phone: 210/828-3131
800/324-2359
FAX: 210/828-6888

RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF ENTRIES MUST BE EN MECHANIC OR
To Specs	Re Assembled		
Engine	Per		
Re Installed			
Installed			

ENGINE COMP

PACKIN

IONS, TESTS, REPAIRS AND ALTERATIONS
H NAME, RATING AND CERTIFICATE NUMBER OF
(SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

SETS REASSEMBLED

ORDER NUMBER & PARTS MANUAL O-360 AEF

ER & TORQUES TO SPECS

PULSE COUPLER AND

ALBION INLET SCREEN

4L 50 WT MINERAL OIL

TESTED AIRCRAFT WAS GROUND

100 TEST FLOWN FOR 1/2 HR.

TESTED. I CERTIFY ~~THE~~

IN ACCORDANCE WITH AN

AS TO BE IN

FOR AD COMPLIANCE

END →

Sold To: 107161
PETE VANDEMARK
415 MECOSTA AVE
BIG RAPIDS MI 49307

Order Date : 08/06/98
Cust PO No. :
Printed : 08/06/98 11:01 AM
Printed by : LLW

Description Part #

Class/Type 360 SERIES
CRANKSHAFT NEW AEL36002-2 AEL36002-2

63938-01C
Complete

\$100.00 TOOK AWAY FROM PRICE FOR TR

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 <u>78</u>				
10-15-98	1061.3 HRS	TAK.		DRAINED Engine OIL AND CHANGED OIL FILTER CH48110 AND SERVICED Engine WITH 8QTS ACROSTELL 40WT MINERAL OIL RUN UP NORMAL, NO LEAKS DETECTED <u>D.P. Bulow</u> APP 380648974 IA.
				← EVO →
3-1-99	1080.3 HRS	TACH		DRAINED Engine OIL AND CHANGED OIL FILTER CH48110 SERVICE Engine WITH 7QTS PHILLIPS 20W50WT OIL RUN UP NORMAL NO LEAKS DETECTED <u>D.P. Bulow</u> APP 380648974 IA.
10-4-99	1123.2 HRS	TACH		I certify this aircraft has been inspected in accordance with AN ANNUAL inspection and was determined to be in air worthy condition. Signed <u>D.P. Bulow</u> 1123.2 HRS TACH. I & P 380648974 IA Date <u>10-4-99</u>
				DRAINED Engine OIL AND CHANGED OIL FILTER CH48110 SPLIT OLD FILTER (NO METAL WAS DETECTED) COMPRESSION TEST #1 74/80 #2 74/80 #3 74/80 #4 76/80 CLEANED GAPPED AND ROTATED SPARK PLUGS INSTALLED NEW AIR FILTER BA 5705 CHECKED CARB HEAT AIR BOX VALVE AND LUB AND INSPECTED Engine CONTROLS SERVICED Engine WITH 7QTS PHILLIPS 20W50 WT OIL RUN UP NORMAL NO LEAKS DETECTED FOR AD COMPLIANCE SEE REAR OF AIRFRAME LOG BOOK <u>D.P. Bulow</u> APP 380648974 IA.
				← EVO →

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3-5-2000 1150.5 HR TACH.

DRAINED ENGINE OIL AND SERVICED ENGINE WITH 7 QTS PHILLIPS 20W50 WT OIL NO LEAKS DETECTED ↔

Dw P. Buden A+P 38064 & 974 IA

← END →

1-23-2001 1202.1 HRS TACH.

REMOVED 4 ENGINE CYLINDERS DUE TO CRACKS IN EXHAUST PORTS AND

LOW COMPRESSION SENT CYLINDERS TO G+N AIRCRAFT EXCHANGED # 3 & # 4 CYLINDERS WITH SERVICEABLE OVERHAULED CYLINDERS AND OVERHAULED # 1 + # 2 CYLINDERS SEE ATTACHED MAINTENANCE RELEASES INSTALLED CYLINDERS USING NEW SEALS AND GASKETS, INSTALLED OVERHAULED OIL COOLER ASSY FROM AMERICAN OIL COOLER INC WORK ORDER # 001209 PART # 8406 J DATED OCT, 26, 2000, INSTALLED NEW SILCON ENGINE BAFELING AROUND CYLINDERS.

I certify this aircraft has been inspected in accordance with ~~Annual~~ inspection and was determined to be in air worthy condition.

Signed Dw P. Buden 1202 HRS TACH
A+P 38064 & 974 IA. Date 1-23-2001

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DATE 2001 12	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				ALSO INSTALLED J.P.I. Engine SCANNER MODEL # EDM-700 INSTALLED CHT GASKET TYPE THERMOCOUPLES ON TOP SPARK PLUGS ON EACH CYLINDER ASSY AND INSTALLED EGT THERMOCOUPLES IN EACH CYLINDER EXHAUST RISER ASSY. INSTALLED IN ACCORDANCE WITH INSTALLATION MANUAL # 103 REVISION C PRINTED 6-7-2000 AND IN ACCORDANCE WITH STC # SA 2586 NM. INSTALLED NEW ENGINE OIL FILTER 48110 AND SERVICED ENGINE WITH 8QTS AEROSHELL MINERAL OIL. AIRCRAFT WAS GROUND RUN FOR 1.5 HRS TOTAL AND NO LEAKAGE WAS DETECTED. AIRCRAFT WAS TEST FLOWN FOR 1 HRS AND REMOVED COWING AND NO LEAKS WERE DETECTED. OIL PRESSURE, TEMP AND FUEL PRESSURE NORMAL, MAGNETO DROP 50/50. MAGNETO TIMING WAS CHECKED.
3-12-2001	1208.	2	2	DRAWN ENGINE OIL AND CHANGED OIL FILTERS SERVICED ENGINE WITH 50 WT ^{AEROSHELL} MINERAL OIL AND SPLIT FILTER NO METAL WAS DETECTED, RV - UB NORMAL NO LEAKS WERE DETECTED. Duff P. Baldu ← END → ARP 380648976 IA

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DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8-26-2001	1220.2	HRS TACH		DRAINED ENGINE OIL AND CHANGED OIL FILTER CH4890 AND SPLIT FILTER NO METAL WAS DETECTED, SERVICED ENGINE WITH 7QTS AERO SHELL 40 WT MINERAL OIL JP NORMAL
MARCH 8, 2002	1236.6	HRS TACH		<p style="text-align: center;">certify this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in worthy condition. Signed: <u>Duff B. DeWitt</u> 1236.6 HRS TACH. I & P 380648976 IA. Date <u>MARCH 8, 2002</u></p>
DRAINED ENGINE OIL AND REMOVED				AND SPLIT FILTER (NO METAL WAS DETECTED) INSTALLED NEW CH4890 CHECKED AUTON THERMSTATIC BY PASS VALVE (SIBA) NEXT INSPECTION (DUE 3-2003) COMPRESSION TEST # 1 73/80 # 2 72/80 # 3 72/80 # 4 74/80 CLEANED GAPPED AND ROTATED SPARK PLUGS INSTALLED NEW BRACKETT AIR FILTER ELEMENT CHECKED CARBURETOR AIR BOX VALVE AND TRAVEL, INSPECTED ENGINE CONTROLS AND OPERATION, SERVICED ENGINE WITH 8QTS AEROSHELL 40 WT MINERAL OIL CHECKED MAGNETO TO ENGINE TIMING, FOR AD COMPLIANCE SEE REAR OF AIRFRAME LOG BOOK FOR AD LISTING <p style="text-align: center;">Duff B. DeWitt AIP 380648976 IA. ← END →</p>

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	EN ME
11-19-02	1252.6 HRS	TACH.		REM
INSTALLED	2	NEW	SUEK MAGN	
SERIAL #	021003	49	WITH NE	
POSITION #	4370	SERIAL #		
ENGINE AND	INSTALLED	NEW		
INSTALLED IN	ACCORDANCE	WITH		
APRIL 1991.	INSTALLED	USING		
OIL AND	CHANGED	OIL FILTER		
FAA-PMA APPROVED	AVBLEND	OIL		
AEROSHELL	40WT	MINERAL	OIL	RUN-UP NORMAL
MAGNETO	DEP	50/50		DUP. B. DEW A/P 380648976 IA
				← END →

WARNING

N30584

- When installing drive gear or driver onto magneto, torque nut provided to 120 to 320 inch lbs.
- Use only the installation hardware provided.
- Secure nut with appropriate cotter pin.

1252.6 HRS
TACH

FAA-PMA Approved

This magneto was manufactured from all new components in accordance with 14 CFR Part 21.303h and is airworthy. This magneto is FAA-PMA approved for applications listed in Unison Industries' L-1318 Document in the F-1100 Master Service Manual. For LASAR® Magnetos, see L-1500 Manual.

0360-A2F

Enter magneto model, serial number, and date of installation, and attach this tag to engine logbook.

Magneto Model No. 4370 R/H Position.

Magneto Serial No. 02091242

Date of Installation _____

L-1543 HARNESS # m4004

NO LEAKS DETECTED
 DUP. B. DEW A/P 380648976 IA
 ← END →

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WRITTEN, STATUTORY, ORAL OR IMPLIED (INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE OR ANY IMPLIED WARRANTY ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE OF TRADE). Unison does not authorize any agent to sell or lease this product. This warranty shall not be construed to limit the liability of Unison Industries, Inc. in connection with the sale of its products.

- When installing drive gear or driver onto magnet, torque to 120 to 320 inch lbs.
- Use only the installation hardware provided.
- Secure nut with appropriate cotter pin.

1252.6 HR
TACH

FAA-PMA Approved

This magneto was manufactured from all new components in accordance with 14 CFR Part 21.303h and is airworthy. This magneto is FAA-PMA approved for applications listed in Unison Industries' L-1318 Document in the F-1100 Master Service Manual. For LASAR® Magnetos, see L-1500 Manual.

0-360-AZF

Enter magneto model, serial number, and date of installation, and attach this tag to engine logbook.

Magneto Model No. 4373 (LH Position)

Magneto Serial No. 02100349

Date of Installation _____

L-1543 HARNESS # M4005

INERIAL OIL RUN-UP NORMAL NO LEAKS DETECTED

Duff. B. Baker A-P 380648974 IA

REPAIRS AND ALTERATIONS

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-19-02	1252	6 HRS TALK.		REMOVED OLD Bendix SERIES 1200 MAGNETO'S AND
INSTALLED	2	NEW	SLICK MAGNETO'S	LEFT HAND POSITION MODEL # 4373
SERIAL #	021003	49	WITH NEW	IMPLUSE COUPLER ASSY AND RIGHT-HAND
POSITION #	4370	SERIAL #	02091242	AND TIMED MAGNETO TO
ENGINE AND	INSTALLED	NEW	IGNITION HARNESS ASSY	MODEL # K4504.
INSTALLED IN	ACCORDANCE	WITH	SLICK KIT	APPLICATION DATA SHEET DATED
APRIL 1991.	INSTALLED	USING	NEW MAGNETO GASKETS (BASE)	DRAINED ENGINE
OIL AND	CHANGED	OIL FILTER	CHAMPION CH4810	INSTALLED 1 PT OF
FAA-PMA APPROVED	AVBLEND	OIL	ADDITIVE	AND SERVICED ENGINE WITH 7QT
AERO SHELL	40WT	MINERAL	OIL	RUN-UP NORMAL NO LEAKS DETECTED
MAGNETO	DEP	50/50	D. P. Baker	A-P 380648974 IA
			←	END →

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				
3-15-03	1261.2	TACH		
	(520.6 HRS SMOH)			
	(4510.2 HRS AFT I.)			
				Facility this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in air worthy condition. Signed: <u>D. P. B. Du</u> I.R.P. # <u>36064876 JA</u> Date: <u>3-15-2003</u>
				DRAWN ENGINE OIL AND CHANGED OIL FILTER CH48110 AND SERVICED ENGINE
				WITH TQTS AEROSHELL 50WT MINERAL OIL CLEANED GAPPED AND ROTATED
				SPARK PLUGS, Compression TEST #1 73/80 #2 72/80 #3 74/80 #4 74/80

SERVICEABLE PARTS TAG

CUSTOMER'S NAME BORDANO AIR INC.

WORK ORDER NO. 63669 CUSTOMER ORDER NO. _____

PART NAME INDICATOR PART MFG. ALCOR

PART NO. 46126 SERIAL NO. 190431

REMARKS Bench checked ok and returned to service

INSPECTOR

The aircraft, airframe, aircraft engine, propeller, or appliance identified above 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 repair Station under the above order number.

SIGNED B. V. Swathan

APPROVED REPAIR STATION NO. MMF-243-8 DATE 3/26/03



300 Breesport, San Antonio, Tx 78216
(210)349-6491 (800)354-7233



DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110 AND SERVICED EN
 WITH 7QTS AGRO SHELL 50WT MINERAL OIL CLEANED GAPPED AND ROTATED
 SPARK PLUGS, COMPRESSION TEST #1 73/80 #2 72/80 #3 74/80 #4 74/80



300 Breesport
 San Antonio, TX 78216
 1-800-354-7233

REPAIR TAG

W.O. # 63669 I/W _____ O/W _____
 Customer Name BORDANO AIR INC Date Rec. 02/17/03
 Part Name EGT METER P/N 46126 S/N 192431
 Customer Inst: Meter had friction & Pot was not loose.

Repair Analysis change the Movements & fix the Pot & Recali-
 brated.

Parts Replaced
 Pot Mvt Oh Clean(n/p) Passed Functional Test Yes No
 Glass Dial Cover (F) Cover (R) Why?
 A.O.G. Ptr(s) Ltg
 Recert (ALCAL)

Date Comp. 3/26/03 Insp.

MAINTENANCE FACILITY NO. MMF-243-8

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3-15-03	1261.2	TACH		
	(520.6 HRS SMOH)			<p style="color: green;">Certify this aircraft has been inspected in accordance with AN ANNUAL inspection and was determined to be in an worthy condition.</p>
	(4510.2 HRS AFT T.)			<p style="color: green;">Signed: <u>D. P. Baldwin</u> A&P 380648976 IA Date: 3-15-2003</p>
	DRAINED ENGINE OIL AND			CHANGED OIL FILTER CH48110 AND SERVICED ENGINE
WITH	7QTS AEROSHELL 50WT			CLEANED GAPPED AND ROTATED
SPARK PLUGS,	COMPRESSION TEST #1			73/80 #2 72/80 #3 74/80 #4 74/80
LUBE AND	INSPECTED	ENGINE	CONTROLS	AND EXHAUST SYSTEM AND ENGINE
MOUNT,	RUN UP	NORMAL		NO LEAKS DETECTED OPERATION NORMAL
				<p style="color: green;">D. P. Baldwin A&P 380648976 IA</p>
3-10-03	1265.0			INSTALLED REPAIRED ALCOR EGT/CHT INDICATOR BY
ALCOR PART #	416126	DATED	3-26-03	WORK ORDER # 63469
UNIT	INSTALLED	AND	OPERATION	NORMAL. D. P. Baldwin A&P 380648976 IA
				END.

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NUMBER OF
IC ENTRIES.)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
11-14-2003	1278.8			Drained Engine oil and CHANGED OIL FILTER CH48110 CHECKED OLD OIL FILTER NO METAL DETECTED. SERVICED ENGINE WITH 79TS AEROSHELL 40WT (80W) OIL RUN UP NORMAL NO LEAKS DETECTED. <i>Duff. Buden</i> ACP 380648976 FA
11-15-03	1290.5	WCS TACH.		Drained Engine oil and CHANGED OIL FILTER CH48110. SPUT OLD FILTER AND NO METAL WAS DETECTED. SERVICED ENGINE WITH 79TS AEROSHELL 80W 40WT OIL. RUN UP NORMAL NO LEAKS DETECTED. <i>Duff. Buden</i> ACP 380648976 FA → END ←
4-15-04	1295.3	WCS TACH	(554.7 Hrs SMOH)	certify this aircraft has been inspected in accordance with AN ANNUAL inspection and was determined to be in all worthy condition Signed <i>Duff. Buden</i> 4-15-2004 ACP 380648976 FA Date
				Engine oil WAS NOT CHANGED AT THIS TIME. CLEANED GAPPS ✓ ROTATED SPARK PLUGS COMPRESSION TEST #1 70/80 #2 71/80 #3 70/80 #4 70/80 INSTALLED PRECISE FLIGHT INC. STAB-BY VACUUM SYSTEM IN ACCORDANCE WITH STC # SA2126 N M PEE INSTALLATION MANUAL # A8072, FAA Form 337 Form FILED WITH FAA. CHECKED ENGINE MOUNT, EXHAUST SYSTEM,

Engine
Rotated
74/80

Engine

380648976 FA

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				
				ADD CHECKED AIR BOX VALVE, IN BE AND INSPECTED ENGINE CONTROLS
				HOOKED MAGNETO TO ENGINE TIMING, FUEL PRESSURE TEST, NO LEAKAGE
				DETECTED, MAGNETO DROP 50/50 OIL PRESSURE, TEMP AND FUEL PRESSURE
				NORMAL, TESTED ELECTRIC FUEL PUMP OPERATION, OPERATION NORMAL.
				DUPP. B. Dan AWP 380648976 IA.
				← END →
JULY 1, 2004		1300.3 HRS TACH		
				DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110 SPLIT OLD FILTER (NO METAL DETECTED) SERVICED ENGINE WITH 79TS AEROSHELL 100W 50WT OIL
				RUN-UP NORMAL, NO LEAKS DETECTED. DUPP. C. Dan AWP 380648976 IA.
				← END →
11-26-2004		1333.3 HRS TACH		
				DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110
				SPLIT OLD FILTER, NO METAL DETECTED SERVICED ENGINE WITH 79TS AEROSHELL
				(20W) 40WT ENGINE OIL, RUN-UP NORMAL NO LEAKS DETECTED.
				DUPP. B. Dan AWP 380648976 IA
				← END →

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
20 05				I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in air worthy condition.
				Signed _____
				I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in air worthy condition.
				Signed _____
4-29-05	1361.3	HRS TACH.		I certify this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in air worthy condition.
	620.7	HRS SMOH.		Signed <u>D. P. Belen</u> 1361.3 HRS TACH
				AIP 380648976 IA. Date <u>4-29-2005</u>
				DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110 NO METAL WAS DETECTED IN OLD FILTER. OIL SAMPLE TAKEN AND SENT TO LAB FOR ANALYSIS. SAMPLE FOUND NORMAL. CLEANED GAPPED AND ROTATED SPARK PLUGS. COMPRESSION TEST #1 76/80 #2 74/80 #3 76/80 #4 76/80 CHECKED AND LUBED ENGINE CONTROLS, CHECKED CARB HEAT VALVE OPERATION NORMAL. CHECKED EXHAUST SYSTEM AND ENGINE MOUNT. TIMED MAGNETO TO ENGINE TIMING FOUND IN LIMITS. WASH DOWN ENGINE WITH SOLVENT RUN-UP NORMAL OIL PRESSURE TEMP AND ELECTRIC BOOST PUMP OPERATION AND FUEL PRESSURE FOUND NORMAL. RUNUP NORMAL NO LEAKS DETECTED.
				D. P. Belen AIP 380648976 IA
				END

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9-25-2005	(140	7,0 HRS	TACH)	DRAINED ENGINE OIL AND CHANGED OIL FILTER
CH48	110-1	SPLIT OLD FILTER		NO METAL DETECTED, SERVICED ENGINE WITH
7QTS	AERO SAEL	40 WT OIL	(80W)	Dulp. Baldu ATP 380648976 JA
				← END →
1-13-06			AD# 2005-26-10	# 1/2 AND # 3/4 CYLINDERS INSPECTED
PER AD # 2005-26-10				AND ECI MANDATORY SERVICE BULLETIN # 05-8
CYLINDERS	DNA	TO AD #		OR SERVICE BULLETIN NO FURTHER ACTION
REQUIRED.				Dulp. Baldu ATP 380648976 JA.
				← END →
4-20-06	1431.1 HRS	TACH.		I certify this aircraft has been inspected in accordance with AN ANNUAL inspection and was determined to be in air worthy condition. Signed: Dulp. Baldu J & P 380648976 JA Date: 4-20-2006
	690.5 HRS	ENGINE HRS	SMOH,	
				DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110 -
				SPLIT OLD FILTER, NO METAL WAS DETECTED SENT OIL SAMPLE IN FOR OIL ANALYSIS
				REPLACED 4 BOTTOM SPARK PLUGS WITH NEW CHAMPION REM 37 BY PLUGS, CLEANED, GAPPED
				AND ROTATED TOP SPARK PLUGS COMPRESSION TEST #1 70/80 #2 73/80 #3 75/80 #4 76/80
				REMOVED PROPELLER AND REPLACED ALTERNATOR BELT WITH NEW BELT PART # -
	S1597-1-37.5			REPLACED BRACKET AIR FILTER ELEMENT PART # BA-5705, REPLACED

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DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19__				Noise FILTER MOUNTED NEXT TO VOLTAGE REGULATOR ON FIREWALL PART # - 0770038-2, REPLACED SHIELDED VOLTAGE REGULATOR WIRING FROM VOLTAGE REGULATOR TO ALTERNATOR REPLACED VOLTAGE TERMINAL PLUG AND REPAIRED MAGNETO WIRING ON T-LEADS FOR LEFT-HAND AND RIGHT-HAND MAGNETO'S. ATTACHED SHIELDING ON WIRING TO GROUND. RUN-UP NORMAL, OPERATION NORMAL. ENGINE SERVICED WITH 79TS AEROSHELL 100W PLUS (50WT OIL) CHECKED ENGINE CONTROLS AND CHECKED CALB HEAT VALVE OPERATION NORMAL RUN UP NORMAL NO LEAKS DETECTED. <u>D. P. Balducci</u> ATP 380648976 IA
				← END →
10-25-06	1433	4		DRAINED ENGINE OIL AND SERVICED ENGINE WITH 79TS AEROSHELL 80W 40WT OIL INSTALLED NEW CH48110-1 OIL FILTER, SPLIT OLD FILTER. NO METAL <u>D. P. Balducci</u>
4-15-2007	145	6.4 HRS TACH		I certify this aircraft has been inspected in accordance with AN ANNUAL inspection and was determined to be in air worthy condition Signed <u>D. P. Balducci</u> ATP 380648976 IA Date <u>4-15-2007</u>
				DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110-1 SPLIT OLD FILTER, NO METAL DETECTED, SERVICED ENGINE WITH 79TS AEROSHELL 50 WT (100W PLUS OIL) CLEANED GAPPED AND ROUTED SPARK PLUGS CHECKED EXHAUST SYSTEM AND CHECKED MAGNETO TO ENGINE TIMING. LUBED AND INSPECTED ENGINE CONTROLS COMPRESSION TEST # 175/80 #2 74/80 #3 75/80 #4 74/80 <u>D. P. Balducci</u> ATP 380648976 IA
				← END →

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6-4-2008	1470	1 hrs TACH.		
	729.5 hrs	SMOH.		
				I certify this aircraft has been inspected in accordance with AN ANNUAL inspection and was determined to be in air worthy condition Signed <u>Dan P. Baulman</u> AIP 380448976 IA 6-4-2008
		DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110-1 SPUT OLD OIL FILTER NO METAL WAS DETECTED CLEANED SUMP SCREEN AND SERVICED ENGINE WITH 7qts 50WT 100W PLUS AEROSHELL OIL. CHECKED MAGNETO TO ENGINE TIMING, CLEANED GAPPED AND ROTATED SPARK- PLUGS COMPRESSION TEST #1 73/80 #2 72/80 #3 75/80 #4 74/80 CHECKED AND LUBED ENGINE CONTROLS AND CHECKED MOTOR MOUNT AND CARBURETOR AIR HEAT VALVE OPERATION NORMAL. INSTALLED NEW INDUCTION AIR FILTER ELEMENT. BA-5705 INSTALLED 1 PINT AVBLEND OIL ADDITIVE (FAA/FMA APPROVED) RUN UP NORMAL NO LEAKS WERE DETECTED. <u>Dan P. Baulman</u> AIP 380448976 IA.		
10-9-2008	1472	5 hrs TACH.		DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110-1 SERVICED ENGINE WITH 7qts 40WT 80W AEROSHELL OIL. RUN UP NORMAL NO LEAKS DETECTED. <u>Dan P. Baulman</u> AIP 380448976 IA. → END →

DATE 19__	
7-1-2008	
	DRAIN
	OIL F.
	CH48110
	ENGINE
	CHECKED
	SPARK
	ADDED
	CHECKED
	RUN-UP
4-16-2010	14
	CH48110
	SERVICED
	DRAIN

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-1-2009	1475.0 HRS TACH			<p>I certify this aircraft has been inspected in accordance with 21 CFR 123.41 inspection and was determined to be in airworthy condition</p> <p>Signed: <u>DuP. Radu</u> P.R. <u>38064897 IA</u> Date <u>7-1-2009</u></p>
	734.4 HRS SMOH			
	4724.0 HRS AIRFRAME TT.			
				<p>DRAINED ENGINE OIL AND SPLIT OIL FILTER CH48110-1 SPLIT OLD OIL FILTER NO METAL WAS DETECTED INSTALLED NEW CHAMPION CH48110-1 AND SERVICED ENGINE WITH 7QTS AEROSHELL 50WT (100W) ENGINE OIL INSTALLED NEW INDUCTION AIR FILTER ELEMENT BA 5705 CHECKED MAGNETO TO ENGINE TIMING, CLEANED GAPPED AND ROTATED SPARK PLUGS. COMPRESSION TEST # 1 $74/80$ # 2 $74/80$ # 3 $74/80$ # 4 $74/80$ ADDED 1 PINT OF AUBLEND OIL TREATMENT TO ENGINE (FAWPMA APPROVED) CHECKED ENGINE CONTROLS AND EXHAUST SYSTEM AND ENGINE MOUNT RUN-UP NORMAL NO LEAKAGE DETECTED. DuP Radu AP38064897 IA.</p> <p style="text-align: center;">← ENO →</p>
4-16-2010	1477.7 HRS TACH			<p>DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110-1 SPLIT OLD FILTER, NO METAL WAS FOUND RUN UP ENGINE SERVICED ENGINE WITH 7QTS (AEROSHELL 100W) 50WT OIL NO LEAKS WERE DETECTED. DuP. Radu AP38064897 IA.</p> <p style="text-align: center;">← ENO →</p>

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-5-2010	1478.0 HR TACH			I certify this aircraft has been inspected in accordance with AN ANNUAL inspection and was determined to be in air worthy condition Signed: <u>D. P. Radun</u> AIP 38048976 IA Date: <u>7-5-2010</u>
				REMOVED SPARK PLUGS AND CLEANED GAPPED AND ROTATED SPARK PLUGS ENGINE OIL WAS NOT CHANGED AT THIS TIME COMPRESSION TEST #1 73/80 #2 74/80 #3 75/80 #4 74/80 INSTALLED NEW BRACKETT AIR FILTER ELEMENT #5705 CHECKED EXHAUST SYSTEM AND ENGINE MOUNT ASSEMBLY RUN-UP ENGINE OIL PRESSURE AND FUEL PUMP (ELECTRICAL) OPERATION NORMAL REVIEWED BIWEEKLY AD'S <u>D. P. Radun AIP 38048976 IA.</u>
12-23-2010	1478.5 HRS TACH			DRAINED ENGINE OIL AND CHANGED OIL FILTER CH48110-1 SERVICED ENGINE WITH 79TS AEROSHELL (80W) 40 WT ENGINE OIL ADDED 1 PINT OF AV BLEND OIL ADDITIVE RUN UP NORMAL NO LEAKAGE DETECTED. <u>D. P. Radun AIP 38048976 IA.</u>

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(ENGINE REPAIRED) 738.4 HRS SMOH.

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
2019 19				
8/25/2019	(1479 TACH)	(738.4 HR SMOH)		REMOVED ENGINE FROM AIRCRAFT DUE TO CORROSION FOUND ON CAM SHAFT AND ENGINE CYLINDERS. DISASSEMBLED ENGINE AND SENT ENGINE CYLINDERS TO HARRISON ENGINE SERVICE INC FOR INSPECTION & REPAIR. ENGINE CYLINDERS WERE OVERHAULED PER WORK ORDER # 15905/15906 - # 15907/15908 DATED 4/1/2019. CAM SHAFT WAS SENT TO AIRCRAFT SPECIALTIES SERVICES (I) CAM SHAFT P/N 76097 WAS INSPECTED AND REPAIRED PER WORK ORDER # 253220 DATED FEB 28, 2019, (8) CAM FOLLOWERS LIFTERS WERE OVERHAULED P/N 72877 PER WORK ORDER # 253220 DATED FEB 28, 2019. (1) CAM SHAFT GEAR AND (1) IDLER GEAR P/N 75072 WERE INSPECTED AND REPAIRED PER WORK ORDER # 253220, DATED FEB 28, 2019. COMPLIED WITH AD # 91-14-22 BY INSTALLATION OF NEW CRANKSHAFT GEAR BOLT P/N STD-2246 AND LOCKPLATE P/N LW-18639 PER MANDATORY SERVICE BULLETIN (LYCOMING) # 475C. INSTALLED (8) NEW LYCOMING - HYDRAULIC LIFTER PLUNGER ASSY P/N 15B26066. SEE ATTACHED LISTING OF PARTS INSTALLED: ENGINE WAS REASSEMBLED AFTER REPAIRS IN ACCORDANCE WITH LYCOMING SERVICE INSTRUCTION # 1029D - TIGHTENING PROCEDURES FOR CRANK CASE THRU-STUDS AND BOLTS DATED AUGUST 15, 1986. REASSEMBLED ENGINE IN ACCORDANCE WITH LYCOMING OVERHAUL SERVICE MANUAL DIRECT DRIVE AND LYCOMING →

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/25/2019				
0-360-A		PARTS CATALOG # PC-306-1,		INSTALLED NEW FUEL AND OIL LINE KIT FROM PRECISION HOSE TECH, TOLSA, OK, PER WORK ORDER # 608508 DATED 7/2/2019. SEE ATTACHED LISTING FOR ENGINE PARTS INSTALLED

Cessna 177A N30584 S/N 17701344
 Lycoming O-360-A2F S/N L-13785-36A
 1479. Hr Tach
 08/25/2019

8	P/N 72877	Lifter Bodies	1	MS-29512-06	Fuel Pump Outlet Fitting
1	LW-18639	C/S Lock Plate	1	BA 5705	Induction Air Filter
1	STD #2246	C/S Bolt	1	D9-14-5	Vacuum System Filter
8	15B26066	HydLifter (Plunger Assembly)	1	B3-5-1	Vacuum Foam Filter
1	MS16625-1081	(Clip) Camshaft Gear	1	75439-1	Lycoming O-360-A Gasket Kit
1	STD #1121	Crankshaft Expansion Plug	4	69603	Induction Air Tubes (1.5" Dia)
4	STD #1821	Oil Return Hose	1	AN804-4	Tee Fitting
4	LW-13790	Rocker Arm Shafts	1	#S1597-1-37.5	Alternator Belt (Lycoming)
1	LW-12892	Rocker Shaft Thrust Button			

SERVICED ENGINE WITH 79TS AERO SHELL 100 WT MINERAL OIL AND ENGINE WAS GROUND RUN IN ACCORDANCE WITH BREAK IN PROCEDURE. ENGINE INSPECTED AND NO LEAKAGE DETECTED. SLICK MAGNETO →

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8/25/2019	500 HR	INSPECTION		NEXT DUE 1752.6 HRS TACH HOURS, BIWEEKLY
	AD'S	REVIEWED	THRU	2019-17/18
				<p>I certify this aircraft has been inspected in accordance with an ANNUAL inspection and was determined to be in air- worthy condition</p>
				<p>Signed <u>Dulp. P. Borden</u> A-P 380648976 FA Date 8/25/2019</p>
			←	END →
9/24/2019	1484.9	HRS TACH		DRAINED ENGINE OIL AND CHANGED OIL FILTER C44810-2
(TEMP TEST FILTER)		PERFORMED	COMPRESSION TEST	1 74/80 # 2 74/80 # 3 74/80 # 4 74/80
CLEANED SPARK PLUGS	AND	ROTATED	PLUGS,	SERVICED ENGINE WITH 7 QTS
AEROSHELL 80 (40WT)	MINERAL OIL	NO LEAKS	DETECTED.	Dulp. Borden
		←	END	→ A-P 380648976 FA

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AVIATION LABORATORIES

910 MARIA STREET
KENNER, LOUISIANA 70062
(504) 469-6751

ANALYSIS RESULTS

DATE: 4/29/05

BORDANO AIR INC
ATTN: DAVE BORDANO
21158 WEST DRIVE

ENGINE S/N: L1378536A
ENGINE MODEL: LYC. 0-360
AIRCRAFT: C 177
S/N: 01344
TAIL NO.: N30584

BIG RAPIDS

MI 49307

** CURRENT		RESULT ** SAMPLE APPEARS NORMAL, SEND NEXT SAMPLE AT THE NORMAL INTERVAL.												
SAMPLE DATE: 4/17/05		*** FILTER ANALYSIS RESULTS ***												
ANALYSIS DATE: 4/29/05	MATL:	ST	ST	CB	ST	AL	ST	M50	COPPER	SILVER	MAGNS	ALUM	GRIT	MISC
SAMPLE NUMBER: P62		-----												
TSN:	AMOUNT:													
TSO: 600	TYPE:													
OIL HRS: 30	FORM:													
FILTER HRS:														
OIL ADDED:														
FILTER MGS:														
FLASHPOINT:														
		*** OIL ANALYSIS RESULTS ***												
		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly	Tan
		26.2	5.1	4.2	17.6	0.0	0.2	4.5	2657	4.8	0.0	0.0	0.0	

COMMENTS:

AVIATION LABORATORIES

910 MARIA STREET
KENNER, LOUISIANA 70062
(504) 469-6751

ANALYSIS RESULTS

DATE: 4/25/06

BORDANO AIR INC
ATTN: DAVE BORDANO
21158 WEST DRIVE

BIG RAPIDS

MI 49307

ENGINE S/N: L1378536A
ENGINE MODEL: LYC. 0-360
AIRCRAFT: C 177A
S/N: 01344
TAIL NO.: N30584

** CURRENT		RESULT ** SAMPLE APPEARS NORMAL, SEND NEXT SAMPLE AT THE NORMAL INTERVAL.													
SAMPLE DATE: 4/12/06		*** FILTER ANALYSIS RESULTS ***													
ANALYSIS DATE: 4/25/06		MATL:	ST	ST	CB	ST	AL	ST	MSO	COPPER	SILVER	MAGNS	ALUM	GRIT	MISC
SAMPLE NUMBER: P18		-----													
TSN:		AMOUNT:													
TSO: 690		TYPE:													
OIL HRS: 24		FORM:													
FILTER HRS:		*** OIL ANALYSIS RESULTS ***													
OIL ADDED:		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly	Tan	
FILTER MGS: 0		19.4	2.8	3.3	18.6	0.0	0.0	2.6	2951	4.1	0.0	0.4	0.0		
FLASHPOINT:															
COMMENT:															
** PREVIOUS 1		RESULT ** SAMPLE APPEARS NORMAL, SEND NEXT SAMPLE AT THE NORMAL INTERVAL.													
SAMPLE DATE: 4/17/05		*** FILTER ANALYSIS RESULTS ***													
ANALYSIS DATE: 4/29/05		MATL:	ST	ST	CB	ST	AL	ST	MSO	COPPER	SILVER	MAGNS	ALUM	GRIT	MISC
SAMPLE NUMBER: P62		-----													
TSN:		AMOUNT:													
TSO: 600		TYPE:													
OIL HRS: 30		FORM:													
FILTER HRS:		*** OIL ANALYSIS RESULTS ***													
OIL ADDED:		Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly	Tan	
FILTER MGS: 0		26.2	5.1	4.2	17.6	0.0	0.2	4.5	2657	4.8	0.0	0.0	0.0		
FLASHPOINT:															
COMMENT:															