

ENGINE MAINTENANCE RECORDS



1-800 624-6680
(In NY 516-298-8330)

MATTITUCK AVIATION CORPORATION
410 AIRWAY DRIVE, MATTITUCK, NY 11952

IT'S FUN TO FLY

This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Mattituck Airbase Inc.

Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All applicable Airworthiness Directives and mandatory Manufacturer's Service Bulletins are in compliance. A description of these repairs is on file at this agency under:

JOB NO. 11679 DATED 7 FEB 94
MFG. Lycorn Inc MODEL D-320-C2D
Serial No. L-38250-27A Time in svc. 55303 HRS



MATTITUCK AIRBASE INC.

F.A.A. REPAIR STATION # QX2R125L
AIRWAY DRIVE, MATTITUCK, L.I., N.Y. 11952

J. Palmer Schade

Authorized Signature

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

Item	Part No.	Serial No.
STARTER	MZ-4222	1R000614

MATTITUCK AIRBASE INC.

FAA Repair Station QX2R125L

W.O. No. 11679



Date 7 FEB 94

The accessories listed below were new and installed on the engine:

Item	Part No.	Serial No.
R.H. MAG	4370	9311045
L.H. MAG	4371	94010223

J. Palmer Schade

Authorized Signature

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DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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Installed this engine on aircraft

N7686G SN 17239396 Engine m13

installed on the New Land mounts, and

oil bases, recondensed prop

1C172/M77653 3/2 EVD49.

Date 2-21-94 Total Transit Time 5326

205 and 206... has been inspected in accordance with a... *Admission*
inspection and was determined to meet monthly condition

Signature Henry Williams PC 4R43507

North American Institute of Aviation

DRAINED OIL & REPLACED FILTER

SEALUCCS WITH 907 AFTERMATH SCW

Bessie Gillson

TAA REPAIR STATION PC4R43FM

6-29-58	ACFF	51
10/		

101

15

changed oil & filter, welded cracks on muffler ends, Federal exhaust

to Muttler. Reported these events in Auckland

Installed lower cord. Spd CK-847140

Compressed air ① 73 ② 74 ③ 75 ④ 76

I certify that this Aircraft Engine has been inspected in accordance with a PAW inspection and determined to be in airworthy condition.

Mfg.: LVC Model: Q-320-ELDS/W C-35FL50-274

Inc./Hour Meter, 51 AC 5/23
Total Total

Inspector *Alfred Wilson* Date *8-29-94*

North American Institute of Aviation
Garney-Morri County Airport

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
9-29-94	5477	201	151	DRAINED OIL & REPAIRED OIL FILTER SERVICED WITH 8QT AEROSHELL 50W. REPLACED CARBURETOR WITH PIN 10-5135 SINCE 6-11631. COMPRESSION READINGS WERE #1 78 #2 79 #3 77 #4 76 I certify that this Aircraft Engine has been inspected and conforms with a <u>MAJOR</u> inspection and determined to be in airworthy condition. Eng: <u>LVC</u> Model: <u>0-14ELOS/NL-3152-274</u> Tach/Hour Meter: <u>151</u> Total Time: <u>5477</u> Inspector: <u>Robert E. Miller</u> Date: <u>9-29-94</u> North American Institute of Aeronautics Carmichael County Airport Gainesville, TX 77905
11-15-94	5536	260	210	DRAINED OIL & SERVICED WITH 7QTS W100 AEROSHELL 50WT OIL <u>Robert E. Miller</u> FAA REPAIR STATION PCAR435M

WORK ORDER

Work Order No. 48463 Customer NORTH AMERICAN INST.Part No. 10-5135 Serial No. CK-6-11631Nomenclature CARBURETORDescription of work performed Painted, balance, cleaned outFull passage. Chd. fuel line.

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

Date 7 JULY 94Signed Robert E. Miller

Mattiluck Aircraft, Inc.

RS-05011201

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
12-20-74	5589	313	263	TOTALS brought forward from previous page DRAINED OIL + REPLACED FILTER SERVICED WITH 8QT PHILLIPS 20W50 BY COMPRESSION READINGS BEFORE = 41.80 AFTER = 38.00 DIFFERENCE = 3.80
				I certify that this Aircraft Engine has been inspected in accordance with a <u>FAA</u> inspection and determined to be in airworthy condition. Mfg: LYL Model: C650-22-SIN L-10250-27A Tach/Hour Meter: 263 Total Time: 5589 Inspector: George Wilkins Date: 12-20-74 North American Institute of Aviation Carmichael County Airport Gainesville, S.C. 29555 FAA REPAIR STATION PC4H436M
2-27-75			320	DRAINED OIL + SERVICED WITH PHILLIPS 20W50 changed oil + filter, serviced with 8qts phillips 20w50. Replaced #1 valve cover gasket, Replaced Air Filter. epw ad 95-03-02 by inspection of filter gasket.
4-21-75	5742	416	356	I certify that this Aircraft Engine has been inspected in accordance with a <u>FAA</u> inspection and determined to be in airworthy condition. Mfg: LYL Model: C650-22-SIN L-10250-27A Tach/Hour Meter: 364 Total Time: 5742 Inspector: George Wilkins Date: 4-20-75 North American Institute of Aviation Carmichael County Airport Gainesville, S.C. 29555 FAA REPAIR STATION PC4H436M
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DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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REPLACED VACUUM PUMP WITH
P/N 14128-006 S/N 723276

John L. Moore

PAA REPAIR STATION PC4R435M

DRAINED OIL & SERVICED WITH
7 QTS 20W50 PHILLIPS OIL

John L. Moore

PAA REPAIR STATION PC4R435M

CHANGED OIL & FILTER, replaced #1, 4
VALVE COUPLER GASKET, Replaced Air Filter
SPD AD 25-03-02 BY INSPECTED IT
FILTER GASKET, Compressed Q24 Q24
I certify that this aircraft engine has been inspected in
accordance with the provisions of the inspection and
determination to be in airworthy condition.

Mfg: L4C Model: 0-340-012 S/N 631250-234

Tac/Hour Meter: 466 Total Time: 584

Inspector: *John L. Moore* Date: 8-11-95

North America Institute of Aviation

Cosway-Harry County Airport

Cosway, S. C. 29506

Repair Station No. PC4R435M

DRAINED OIL & SERVICED WITH 7QTS
PHILLIPS 20W50 XCHANGED WITHIN

PAA REPAIR STATION PC4R435M

DRAINED OIL & SERVICED WITH 7QTS
ARLSON 50WT OIL. REPLACED OIL
FILTER, *John L. Moore*

PAA REPAIR STATION PC4R435M

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IT'S FUN

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
3-7-97		660	610	changed oil & filter. Replaced 7 spark plugs. Replaced cross & ground valves on #2 & 3 cylinders. I certify that this aircraft engine has been inspected in accordance with <u>AN 601</u> inspection and delivery in a satisfactory condition. M.E. <u>SPC</u> Model: <u>C-320-EP</u> S/N <u>C-3P250-210</u> Tach Hour Meter <u>610</u> Total Time <u>5566</u> Inspector <u>Edmund G. Miller</u> Date <u>3-7-97</u> North American Institute of Aviation Conway-Harry County Airport Conway, S. C. 29526 Phone 803/356-1000
10/31/97		698	648	Drained engine oil and serviced with 8qt Aeroshell 1000 Replaced oil filter with new item. Run up and leak check good. <u>Phillips AP 457067043</u>
Apr. 11/4 1958				Drained oil & serviced w/ 7 qts. 50w aeroshell oil. Replaced oil filter w/ a new filter. Cleaned, serviced & reinstalled spark plugs. Replaced engine pistons & clean pistons. Replaced engine air filter w/ a new filter. Checked magnetos timing. Compression low check: 1 $\frac{168}{80}$ 2 $\frac{72}{80}$ 3 $\frac{78}{80}$ 4 $\frac{70}{80}$
Tach 668				Run up & leak check good. I certify that this aircraft engine has been inspected IAW a
T.I.A.F. 6948				ground ing. & found to be in airworthy
Smoh 718				condition & has been approved for return
Engine S/N				
L-38250-27A				
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DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	
6-27-00	Tach	Time	0856.1	- TSMCH 906.1 TTIS 6285.4
				ANNUAL Sign off Dated 5/8/00 LOCATED IN ENG
				Book # 2 Page 31. — END —
				Russell Shaw APL 293500441A
8/29/00	6376.3	997.3	947.3	Drained oil Service w/ 7QTs Aeroshell
				100W - Replace oil filter Plu CH48110
				Replace induction Air filter Plu OA 6108
				cfw Compression check #1
				Ad's check Through 8-02-00, no Requiris
				Ad's at this Time - clean & top all
				Pluss. Insp magnetos - check engine
				to MAGNETO timing - Ground Run
				ENGINE - OPERATIONAL Check Good, no
				oil leaks detected - I certify that this
				Engine was Insp IAW an 100hr insp AND
				was Determined to Be in Airworthy
				Condition — END —
				Russell Shaw
				APL 293500441A
11/21/00	6400.3			DRAINED oil from aircraft and serviced
				w/ 8qts of 100W oil, also removed
				oil filter and replaced with CH48110.
				LEAK CHECK good. I CERTIFY THAT THIS
				AIRCRAFT THIS is returned to service — END —
				Russell Shaw 050704601

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11-10-00
11-10-00
11-10-00

MANUFACTURER
PART NAME
MODEL
PART NO
SERIAL NO

SERVICEABLE PARTS

DESCRIPTION OF WORK PERFORMED...
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

Drained oil, Service up to 8 hrs. Airstall
new - Replace oil filter chg 9110
Replaced Air Filter AA-1018-22

TOTAL TIME IN SERVICE
DATE
1-10-01 05413

1. UNITED STATES	2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG U.S. Department of Transportation Federal Aviation Administration		3. System Tracking Ref. No. 80709	
4. Organization PRECISION AIR, INC. 1880 NW 97th AVE. MIAMI, FL 33172		5. Work Order, Contract, or Invoice Number. 80709		
6. Item 1	7. Description CARBURETOR	8. Part Number 10-5135	9. Eligibility * TBVI	10. Quantity 1
11. Serial/Batch Number OK-6-12293		12. Status/Work OH		
13. Remarks This part was OVERHAULED. The prescribed work was performed in accordance with Manufacturer Overhauled Manual. See work order for details. Complied with the following AD Notes: 69-24-03 N/A 72-06-05 R2 N/A 93-19-04 C N/A 98-01-06 (A/W SIB MSA-2 R3		AIR WORTHINESS APPROVAL TAG USER/INSTALLER RESPONSIBILITIES It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assemblies. Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in Block 1, it is essential that the user/installer ensure that his/her Airworthiness Authority accepts part/assemblies from the Airworthiness Authority of the country specified in Block 1. Statements in block 14 and 15 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown. The FAA Forms 8130-3 and 8130-4 Form One are equivalent. Other countries such as Canada also have equivalent acceptable documents.		
14. Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new.				
15. Signature Newly Overhauled Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13, was (were) manufactured in accordance with FAA approved design data and airworthiness. Note: In cases of parts to be exported, the special requirements of the importing country have been met.		16. Return to Service in Accordance with FAR 43.9 Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.		
17. Signature		18. Authorized Signature		
19. Name (Typed or Printed) GARY FITZGERALD		20. Name (Typed or Printed) GARY FITZGERALD		
21. Certificate Number VH16588K		22. Date 01/17/01		

* (Optional) Installer must cross check eligibility with applicable technical data.

IT'S FUN TO FLY

11-10-00
11-10-00
10493

SERVICEABLE PARTS

MANUFACTURER
PART NAME
MODEL
PART NO.
SERIAL NO.
REMARKS

ACCOMPLISHED BY

THE AIRCRAFT ENGINE OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE.

PERMIT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER REPAIR

Order No. 11577 Date 11-20-00

Signed

FOR TRIAD AVIATION, INC.
3439 South Aviation Drive
Burlington, NC 27215

FAA Repair Station No. 115484000

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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Drained oil, Service w/ 8 Qts Aeroshell
100W - Replace oil filter CH99110
Replace Air filter BA-608 - Reamed
Replace #3 Cylinder due to low comp.
clean & gap all plugs - Tighten
Alternator Belt - Tighten Oil
Filter tube - Chw Compression
check #1 70/ 70/ 70/ 70/ 70 - check
and Retired Magneto's to Engine
Ground Run - Operational check
Good - no oil leaks Detected - END
I Certify that this Engine was
INSPECTED IAW AN 100 hr insp
and was Determined to be in
Airworthiness Condition -

APP 590114264

Marco A. Taltott

changed a starter Bendix with
EBB-131A, tested it and it was
working good & certify this
aircraft to return to service
APP 590114264
Marco A. Taltott

Removed & Replace Carburetor with
overhaul unit - PN 10-5135-5/2 dt-6-12235
Ground Run - Operational & good
- END - Russell S. H. 21350414

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DRAINED oil, Service w/ 8 Qts Aeroshell
 now - Replace oil filter CH49110
 Replace Air filter BA-6108 - Removed
 & Replace #3 Cylinder Due to low Comp.
 clean & Gap all Plugs - Tighten
 Alternator Belt - Tighten Oil
 Filter tube - Oil Compression
 check #1 79% 78% 70% 70% 70% - check
 and Retimed Magneto's to Engine
 Ground Run - Operational check
 Good - no oil leaks Detected - END
 I Certify that this Engine WAS
 INSPECTED IAW AN 100hr insp
 and WAS Determined to be in
 Airworthiness Condition -

ASP 590614264

Mauro A. Taltott

changed a starter Bendix with
EBB-131A, tested it and it was
working good & certify this
aircraft to return to service

AP 590614264

mauro A. Ratholt

Removed & Replace Carburetor with
overhaul unit - PW 10-5135-S/N 06-12295
Ground Run - OPERATIONAL & OK
—END— Russell S. Jones M1 293500441 L

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
1-10-01	6541.3	1215.3	1165.3	under 97c SE800GL - The Following Added for Approved Fuels. UNLEADED AUTOMOTIVE FUEL - See 337 for Detail - END - Rudolf Shaw APP 243300441 JFA
1-11-01	6541.3	1215.3	1165.3	clw 100 hr insp - c/w Compression check @ 1 72/80 73/80 74/80 75/80 - check engine to magneo timing - Drained oil Service w/8 Qts A/S 100W Replace oil filter ch 48110 - Replace Air filter BA 6108 - Removed Replace muffler PN 50-001278-3 AD's check Through 12-20-2000 See Ad List in Back of Book I CERTIFY THAT THIS ENGINE WAS INSPECTION AW 100 hr. inspection AND WAS DETERMINED TO BE IN AIRWORTHINESS CONDITION - END - Rudolf Shaw APP 243300441 JFA
2/17/2001	6603.9	1227.9	1227.9	Drained oil, Changed Filter PN CH48110 SUC'd w/ 7 QTS ACROSSHILL 100W, PERFECT Ground Run-up, OK'd for leaks, None DETECTED - CHARLES FRANK Charles Frank APP 11469633 END
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
8/29/01	6981.0	1608.0	1608	TOTALS brought forward from previous page Drained Carburetor Fuel Bowl - Reinstalled Plus 4 SAFETIES Tighten #4 Cylinders Primer Line - head check good for the Above Repair - This Engine Return to Service END — Kenneth W. Shaw AEP 293500441JA
8/29/01		1611.	1611.1	Performed Comp. Test, #4 cyl below limits. Remove #4 Cyl. Replace Cyl w/ Sec. 466 UNIT FROM J+T AIR PAKS, REFORME W/O #5 J1-4 7611 using New Gaskets + Hardware As Used, Drained Replace Filter P/NCA48110, SUC w/ 7003 Aeroshell 100 - Performed GAD Running, OK. GAD Cyl #4 75/80. Charles Frank Chalkley AEP 1469633 END
8/30/01	TACH 1622.1			Drained oil, Installed New oil Filter P/N QT 48110 Served w/ 7QT 100W. ^{EXPECTED OIL} FILTER - NO CONTAMINATES FOUND Performed Eng Run - NO LEAKS DETECTED, All checks good. M. Carrea V. Chalkley END
				SUB-TOTALS this 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
10/10/61			#888.8	TOTALS brought forward from previous page
10/9/61	1688.7	1688.7	1688.8	Removed Engine Cowl - Drained & Serviced Oil - Replaced oil Filter Pln 6110, Air Filter Pln BA-6103 Removed, Cleaned & Regapped Spark Plugs, Checked Eng to Mag Timing 25° BTDC. Check Eng Cylinder Compression ^{#1 #2 #3 #4} 75/81 74/80 77/86 79/80 Replaced, missing Nut & Washer #4 Exhaust Pet Formed Run-up - No Leaks DETECTED - All Checks good - I certify that this Engine was inspected & found to be satisfactory AND FOUND TO BE AIRWORTHY — A.P. Correa M.E. Co. — 262-77-4570
11/27/61	888.8	1790.4	1790.4	Drained Oil, Replaced Oil Filter Pln 6110, Air Filter Pln BA-6103 Removed, Cleaned & Regapped Spark Plugs - Replaced Left & Right Magneto Points Pln 613081, Times Eng to MAG'S 25° BTDC. Cylinder Compression ^{#1 #2 #3 #4} 76/80 75/80 77/86 79/80 Replaced #1 & 2 cylinder intake PISTONS Pln 69603, Reformed Ground Run No Leaks Detected - All checks good. I certify that this Engine was inspected & found to be satisfactory AND FOUND TO BE AIRWORTHY — A.P. Correa M.E. Co. — 262-77-4570
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
11/12/2002	Tach Time 1868.7			Removed Carb. Drained Auto Fuel from both TANKS. Flushed system w/ 100LL Fuel. Added 5 gal's 100LL to BOTH TANKS. Installed off'd Carb MA4SPA p/n 10-5135 S/N CK-2488 Reformed and Run-up. Set Carb Idle and mixture. Performed static Run-up, Mag-Drop, All OK'd to spec.
				Charles Frank <i>[Signature]</i> APM469633
				END
11/12/04	Tach 1868.9			Drained oil, serviced w/ 7 gals Aeroshell 100W, cleaned oil filter, P/N CH48W. New engine - no leak <i>[Signature]</i> CFB 272601009 J. Long
01 MAY 2002	7485.0	1955.0	1955.0	DRAINED OIL, INSTALLED NEW CH48W FILTER, ADDED 7 GALS. 15-50 AEROSHELL OIL. INSTALLED NEW BRACKETT AIR FILTER. ELEMENT. INSTALLED NEW "SCOTT" OIL TEMP GAGE ASSY. 96-812 PUMP A.D. DETERMINED TO BE P.S.W. BY MATLUTUCK AVIATION AT OVERHAUL. I CERTIFY THAT THIS ENGINE + PROPELLER HAVE BEEN INSPECTED IAW A 100 HR. ANNUAL INSPECTION AND WERE DETERMINED TO BE IN AIRWORTHY CONDITION. R. B. B. 2615644A-P CRS UPN80766 w/o 5582
				Date 9/1/03 Tach 2004.6 TT 7380.6 SMOH. 2004.6 SN. L-38250-27A Compression #1 68/80 #2 72/80 #3 72/80 #4 74/80. Removed #2 cylinder and piston and installed repaired cylinder assembly, serviceable piston, wrist pin and rings supplied by West Coast Cylinder Works CRS Y03R005M. Compression #2 cylinder now 76/80. Drained oil, removed filter and suction screen. Installed new oil filter and filled with 8 quarts Phillips mineral oil. Cleaned spark plugs, gapped and tested. Lubricated engine controls. Run-up leak check satisfactory. See AD compliance record for current AD status. I certify that this engine has been inspected in accordance with an annual inspection and was found to be in an airworthy condition. END <i>[Signature]</i> 2615644A
				TOTALS—Carry forward to next page

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