

# N13839

## 1970 Piper Turbo Aztec D

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# RH Engine

# Logbook

## SMOH | #1 of 2

## 1990 - 1991

**MSN: 27-4480**



*Prepared by the worldwide aviation specialists at RidgeAire, Inc.*

AZTEC

13839

# ENGINE LOG

Right  
Engine  
Vol 1



RIGHT ENGINE SN. L1533-61  
PIPER AIRCRAFT CORPORATION

AZTEC-13839-SN 27-4480

# ENGINE LOG

## BOOROM AIRCRAFT, INC.

Quality Aircraft Services

Since 1948

816 Airport Road, Jackson, Michigan 49202

Telephone 517-784-AERO or 517-764-0485

Fax 517-784-0446

RIGHT ENGINE LOG      N13839      S/N L-1533-61

Date: 11-20-90    Tach 1920.28    TSMOH 0.0

Removed right engine for overhaul. Replaced the following overhauled parts: (See yellow and overhaul tags) 2-ES10-349290-1 & 2-ES10-349310-1 Bendix Magnetos; 441CC-7 Vacuum pump; 1-2524223-2 Flow divider; 1-77830 Wastegate; 1-406610-9021 Turbocharger; 6-2523785 Injector nozzles; 1-LW 10682 Controller; 1-LW 10098 Controller; 1-2524359-10 Servo fuel injector and 6-76087 Cylinders. The following parts were replaced new: 6-SL75413 Piston; 1-76248 Camshaft; 12-72877 Cam followers; 1-SL75413 Ring set; 2-SL13884 Front main bearing; 6-LW10124 Main bearing; 12-SL13521 Conrod bearing;

To  
Carry Forward

# BOOROM AIRCRAFT, INC.

Since 1948

Quality Aircraft Services

816 Airport Road, Jackson, Michigan 49202

Telephone 517-784-AERO or 517-764-0485

Fax 517-784-0446

12-74644 Rod bolt; 12-SL12186 Rod nut; 1-STD-2209  
Crank gear bolt; 1-SL67516 Crank gear lock tab; 1-  
73250 Spacer washer; 1-SL61297 Oil pump gear;  
1-SL61298 Oil pump impellor; 12-0271371 Sparkplug;  
1-M2792RH Mag harness; 2-SL67542 Mag bearing; 1-  
~~p11-4419 Air filter~~; 1-75845 Gasket; 1-78246  
Gasket; 6-MS13998-3 Cap - valve stem; 1-AN6C10A  
Bolt; 2-STD2132 Nut. All steel parts were  
magnafluxed and inspected, camshaft and followers  
reground (see yellow tags). Engine reassembled and  
reinstalled on aircraft. Engine was test run and  
checked okay. All work done in accordance with



# ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

**BOOROM AIRCRAFT, INC.**

Quality Aircraft Services

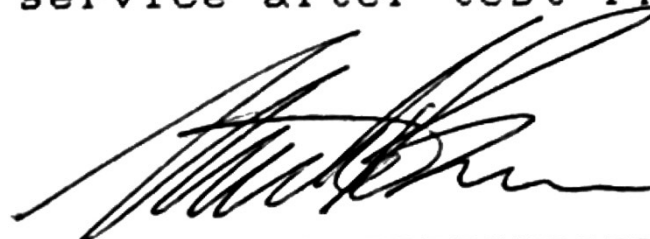
Since 1948

816 Airport Road, Jackson, Michigan 49202

Telephone 517-784-AERO or 517-764-0485

Fax 517-784-0446

Lycoming Parts Catalog PC-315 and Lycoming Overhaul  
Manual 60294-7. Engine approved for return to  
service after test flight.

 AP371542159-FA

-----END-----

# SERVICEABLE

ITEM DESCRIPTION

MFG.

Servo Fuel Injector

BX

MODEL OR TYPE

PART NO.

SERIAL NO.

RSA5AD1

2524359-10

30621

TYPE REPAIR ACCOMPLISHED

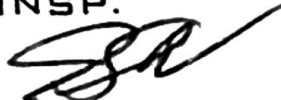
DATE

**MAJOR OVERHAUL**

9/25/90

INSP.

WORK ORDER NO.



57962

INSP. OR TEST IS REQUIRED  
IF IN STORAGE AFTER:

CUSTOMER:

Boorum Aircraft

CUSTOMER ORDER NO.

## PRECISION AIR INC.

F.A.A. AIR AGENCY NO. 2029

BENDIX FUEL METERING CONTROLS  
FACET (MARVEL-SCHEBLER) CARBURETORS  
CENTRAL DISTRIBUTOR  
SALES & SERVICE

3610 N. W. 41 ST.  
MIAMI, FLA. 33142

(305) 635-5293

LIMITED  
ACCESSORIES  
FAA APPROVED  
STATION NO. TB3R861L

RH



Serving Every State In The United States  
**SERVICEABLE**  
**SOUTHWEST COOLER SERVICE**  
3939 PLATINUM WAY  
DALLAS, TEXAS 75237

CUSTOMER Boorum Aircraft

Part Name Controller

Mfg. By Airesearch

Part No. LW10098

Serial No. 00394

Repaired By *Mike J.*

Date October 9, 1990

Insp. By *[Signature]*

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ACCESSORIES  
FAA APPROVED  
STATION NO. TB3R861L



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**SERVICEABLE**  
**SOUTHWEST COOLER SERVICE**  
3939 PLATINUM WAY  
DALLAS, TEXAS 75237

CUSTOMER Boorum Aircraft

Part Name Turbocharger

Mfg. By Airesearch

Part No. 406610-9021

Serial No. JFR0113

Repaired By *M. H. Z.*

Date October 9, 1990

Insp. By *[Signature]*

LIMITED  
ACCESSORIES  
FAA APPROVED  
STATION NO. TB3R861L



Serving Every State In The United States  
**SERVICEABLE**  
**SOUTHWEST COOLER SERVICE**  
3939 PLATINUM WAY  
DALLAS, TEXAS 75237

CUSTOMER Boorum Aircraft

Part Name Wastegate

Mfg. By Airesearch

Part No. 77830

Serial No. 03588

Repaired By *Mike F.*

Date October 9, 1990

Insp. By *[Signature]*

LIMITED  
ACCESSORIES  
FAA APPROVED  
STATION NO. TB3R861L

RTF



Serving Every State In The United States  
**SERVICEABLE**  
**SOUTHWEST COOLER SERVICE**

3939 PLATINUM WAY  
DALLAS, TEXAS 75237

CUSTOMER Boorum Aircraft

Part Name Controller

Mfg. By Airesearch

Part No. LW10682

Serial No. JGR0183

Repaired By *[Signature]*

Date October 9, 1990

Insp. By *[Signature]*

# SERVICEABLE

MFGR. NAME

Lycoming

COMPONENT

Camshaft

MODEL

7614-B

SERIAL NO.

545424-5

## ENGINE

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

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

WORK ORDER NO.

45424

DATE

9-19-90

SIGNED

Key Mervel

**AIRCRAFT  
SPECIALTIES  
SERVICES**

FAA CERTIFIED REPAIR  
STATION NO. DD2R764K

# SERVICEABLE

LY-CON AVIATION, INC.

F.A.A. Approved Repair Station 3270

Customer Boorum Aircraft

Part Name \_\_\_\_\_

Mfg. By Lycoming

Part No. \_\_\_\_\_

Model T10-540-C1A Serial No. L-1533-61

Condition \_\_\_\_\_

Remarks: Cleaned and magnaflux inspected

crankshaft, 2 counterweights, 6 connecting rods  
and caps, 2 idler gears, crank gear, 2 mag  
drive gears, fuel pump idler gear and drive  
gear, governor idler, drive and shaft gear,  
vacuum pump drive gear, 6 piston pins,  
6 rocker shafts, 12 rocker arms, and oil pump  
drive impeller.

Polished and dimensionally checked  
crankshaft size (std) runout (OK).  
Installed counterweights on crankshaft.



# MAINTENANCE RELEASE

THE APPLIANCE IDENTIFIED ON THE REVERSE SIDE WAS  
OVERHAULED OR REPAIRED AND INSPECTED IN ACCOR-  
DANCE WITH CURRENT REGULATIONS OF THE FEDERAL  
AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN  
TO SERVICE.

RIGHT  
ENG.  
VAC, Pump

SIGNED  328368260 FOR  
PRAIRIE AVIATION SUPPLY, INC.  
3805 VERDE WOODS E., GRAND PRAIRIE, TX. 75051

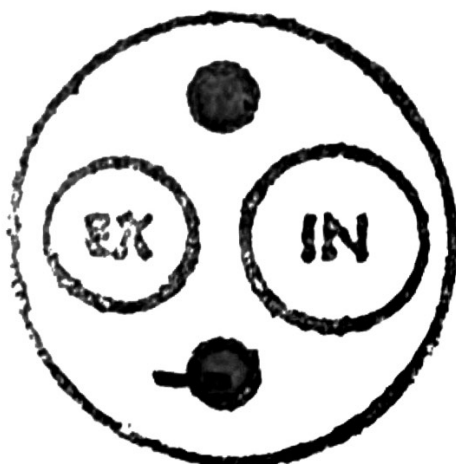
WORK ORDER # 9914 DATE 11 / 12 / 90

FAA APPROVED REPAIR STATION # 202-191

## MAINTENANCE RELEASE

The aircraft and/or component identified hereon was repaired and inspected in accordance with current Federal Aviation Regulations and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under Work Order

No. 3245



Date 10-22-90

Signed Paul Turner

For



**HARRISON ENGINE SERVICE, INC.**

Gov't. Approved Repair Station #LR2R988K

301 DETROIT STREET

LAPORTE, INDIANA 46350

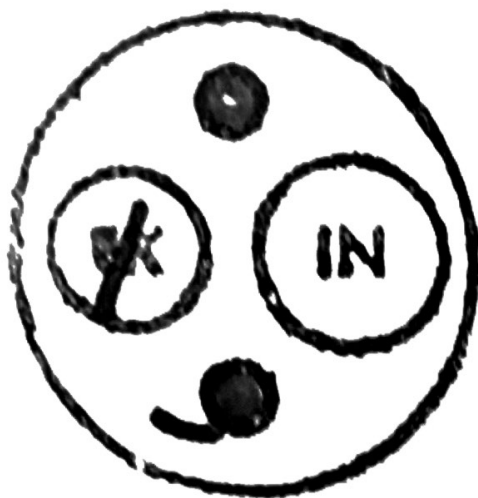
Phone: 219-362-9707 or 219-362-9925

1-800-348-0257 Fax 219-324-5395

## MAINTENANCE RELEASE

The aircraft and/or component identified hereon was repaired and inspected in accordance with current Federal Aviation Regulations and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under Work Order

No. 3246



Date 10-27-90

Signed Daniel Turner

For



**HARRISON ENGINE SERVICE, INC.**

Gov't. Approved Repair Station #LR2R000K

301 DETROIT STREET

LAPORTE, INDIANA 46350

Phone, 219-362-9707 or 219-362-9923

1-800-348-0257 Fax 219-324-5395

## MAINTENANCE RELEASE

The aircraft and/or component identified hereon was repaired and inspected in accordance with current Federal Aviation Regulations and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under Work Order

No. 3247



Date 10-22-90

Signed David Turner

For



**HARRISON ENGINE SERVICE, INC.**

Gov't. Approved Repair Station #LR2R988K

301 DETROIT STREET  
LAPORTE, INDIANA 46350

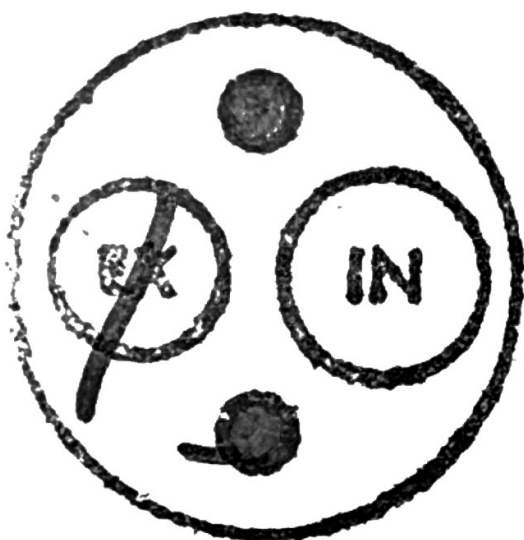
Phone: 219-362-9707 or 219-362-9925  
1-800-348-0257 Fax 219-324-5395

#3

# MAINTENANCE RELEASE

The aircraft and/or component identified hereon was repaired and inspected in accordance with current Federal Aviation Regulations and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under Work Order

No. 3248



Date 10-22-90

Signed Daniel Turner

For



**HARRISON ENGINE SERVICE, INC.**

Gov't. Approved Repair Station #LR2R988K

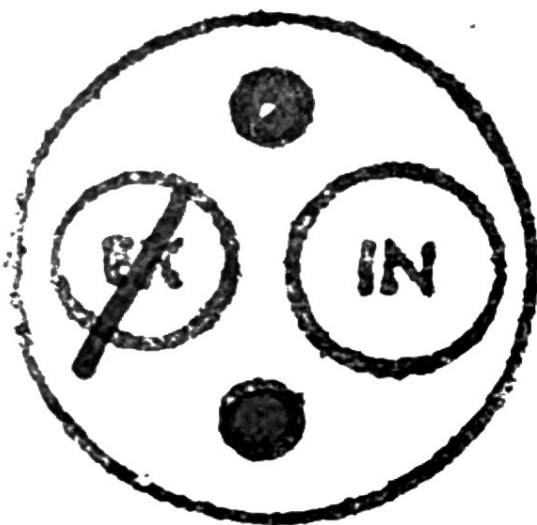
301 DETROIT STREET  
LAPORTE, INDIANA 46350

Phone: 219-362-9707 or 219-362-9925  
1-800-348-0257 Fax 219-324-5395

## MAINTENANCE RELEASE

The aircraft and/or component identified hereon was repaired and inspected in accordance with current Federal Aviation Regulations and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under Work Order

No. 3249



Date 10-22-90

Signed David Turner

For



**HARRISON ENGINE SERVICE, INC.**

Gov't. Approved Repair Station #LR2R988K

301 DETROIT STREET  
LAPORTE, INDIANA 46350

Phone: 219-362-9707 or 219-362-9925

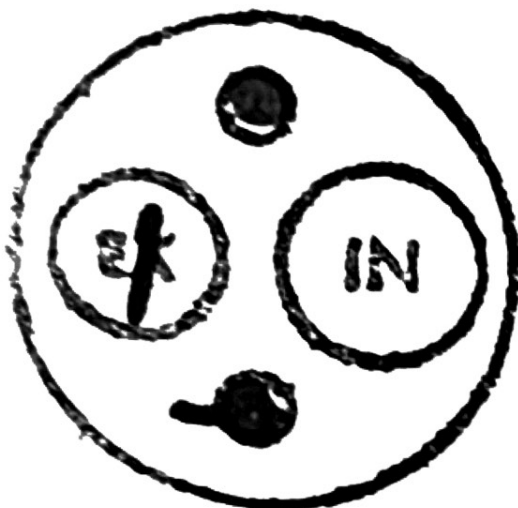
219-348-0257 Fax 219-324-5395

#6

# MAINTENANCE RELEASE

The aircraft and/or component identified hereon was repaired and inspected in accordance with current Federal Aviation Regulations and was found air worthy for return to service. Pertinent details of the repair are on file at this agency under Work Order

No. 3250



Date 10-22-90

Signed David Turner

For



**HARRISON ENGINE SERVICE, INC.**

Gov't. Approved Repair Station #LR2R988K

301 DETROIT STREET  
LAPORTE, INDIANA 46350

Phone: 219-362-9707 or 219-362-9925  
1-800-348-0257 Fax 219-324-5395

RIGHT

Mfg. TCM/BENDIX Part No. ES10-349310-1  
Serial No. 0080162 ESI P/N 00408  
Model S6LN-1209 MAGNETO

### MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was overhauled and inspected in accordance with Current Regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the overhaul are on file at this repair station under:

Work Order No. 1706 Date 08/06/90

Signed: Randy Tolliver



**ELECTROSYSTEMS, INC.**

P.O. Box 273 205/227-8306 TWX 810-744-3450

FORT DEPOSIT, AL 36032 U.S.A.

F.A.A. APPROVED REPAIR STATION NO. UT2R226L



RIGHT

Mfg. TCM/BENDIX Part No. ES10-349310-1  
Serial No. 0080164 ESI P/N 00408  
Model S6LN-1209 MAGNETO

### MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was overhauled and inspected in accordance with Current Regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the overhaul are on file at this repair station under:

Work Order No. 1706 Date 08/06/90

Signed: Randy Tolliver



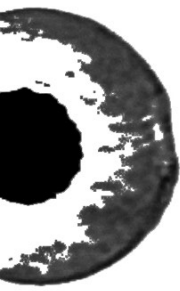
**ELECTROSYSTEMS, INC.**

P.O. Box 273 205/227-8306 TWX 810-744-3450  
FORT DEPOSIT, AL 36032 U.S.A.

F.A.A. APPROVED REPAIR STATION NO. UT2R226L




**THIS UNIT IS OVERHAULED IN ACCORDANCE  
WITH CURRENT ORIGINAL EQUIPMENT MANU-  
FACTURERS OVERHAUL MANUAL AND THE  
LATEST MANUFACTURERS SERVICE BULLETINS  
AND AIRWORTHINESS DIRECTIVES.**



**THIS UNIT IS OVERHAULED IN ACCORDANCE  
WITH CURRENT ORIGINAL EQUIPMENT MANU-  
FACTURERS OVERHAUL MANUAL AND THE  
LATEST MANUFACTURERS SERVICE BULLETINS  
AND AIRWORTHINESS DIRECTIVES.**

Also OHC 6 ea Nozzles  
P/L 2523785

# SERVICEABLE

ITEM DESCRIPTION		MFG.
Flow Divider		BX
MODEL OR TYPE	PART NO.	SERIAL NO.
---	2524223-2	3535
TYPE REPAIR ACCOMPLISHED		DATE
MAJOR OVERHAUL		9/25/90
INSP.	WORK ORDER NO.	
	57961	
INSP. OR TEST IS REQUIRED IF IN STORAGE AFTER:		
CUSTOMER:		
Boorom Aircraft		
CUSTOMER ORDER NO.		

## PRECISION AIR INC.

F.A.A. AIR AGENCY NO. 2029

BENDIX FUEL METERING CONTROLS  
FACET (MARVEL-SCHUBLER) CARBURETORS  
CENTRAL DISTRIBUTOR  
SALES & SERVICE

3610 N. W. 41 ST.  
MIAMI, FLA. 33142

(305) 635-5293

  
**ELECTROSYSTEMS, INC.**

Airport Complex  
PO Box 273  
Fort Deposit, Alabama 36032 USA  
205/227-8306  
TWX 810-744-3450

## WARRANTY DATA CARD

The following information must be supplied when requesting warranty consideration:

BENDIX 10-34920-1 80162  
MFR P/N S/N

DATE INSTALLED

DATE REMOVED

11-16-90

1920.28

TACH TIME

TACH TIME

OWNERS NAME 5 STAR AVIATION

ADDRESS P.O. Box 503

COLUMBIA CITY, IND

PHONE                     

RETAIN THIS CARD WITH AIRCRAFT LOG BOOKS

**ELECTROSYSTEMS, INC.**

**FORT DEPOSIT, AL 36032 U. S. A.**

**F. A. A. APPROVED REPAIR STATION NO. UT2R226L**

# Magneto Tag



**ASBY** Assembled by



**INSP**

Tested by

Inspected by

Packaged by

**MC**



**INSP**

P/N

**#408**

**0080164**

Insp./Cert.



**AUG 06 1990**



**SLICK**

**FAA/PMA APPROVED**



**HIGH TEMPERATURE  
AIRCRAFT HARNESS  
PART NO. M2792RH**

The aircraft, airframe, aircraft engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service.

PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO.....

DATE.....

SIGNED.....*David W. Stover*.....FOR

KEYSTONE INSTRUMENTS, INC.

Municipal Airport

P. O. BOX 2

LOCK HAVEN, PA.

REPAIR STATION NO. 1040

INSTRUMENT CLASS 1

AND LIMITED



*MIKE*  
**BOOROM AIRCRAFT, INC.**

Since 1948

Quality Aircraft Services

816 Airport Road, Jackson, Michigan 49202

Telephone 517-784-AERO or 517-764-0485

Fax 517-784-0446


AIRFRAME LOG N13839

Date: 11-20-90

Left Tach: 1931.94

Right Tach 1920.28

Removed starting vibrator and replaced with serviceable unit P/N 10-176487-122. Aircraft test ran and checked okay. Aircraft approved for return to service after test flight.


 AP371512159FA

-----END-----

le No.


## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
JAN 5, 1991	<u>1940.0</u>	12 hrs	1940.0	JAN 5, 1991 C/W MANUAL MAINTENANCE MANUAL, ALL SMOH. Changed oil Inspected Rgt Prop Run up & checked
Total To Carry Forward				

  
 Inspection P. per  
 Cylinders <sup>15</sup> 80 or better @ 12 HRS  
 65W-30 Non dat 10 qts  
 TI 1940.0 A/Ds ALL TO DATE  
 Satisfactory End

I certify this Engine & Prop has  
 BEEN Inspected in accordance  
 with Manual Inspection and  
 was determined to be in Airworthy  
 Condition.

Date: 1-5-91  
 Signature: Philip A. B.  
 Certificate # 316525369 TA



## ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Jan 20, 91		(15 hrs)		changed oil & Filter, washed & waxed H/P. Amsoil 80-40W & Filter
Log Closed, See AD-				
Total To Carry Forward				

[illegible]

