

Engine Record General Information

Manufacturer Continental Model 10-550-B

Serial 682271 Type Certificate _____

This engine is currently installed in aircraft: _____

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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MAKE	Continental	MODEL	IO-550-B	S/N	682271	Hours	zero
Total Time	1175.1	Hours Time Since Major Overhaul					

This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with a major overhaul as per the manufacturer's current overhaul manual X30568A. New tolerances and clearances were maintained. A detailed parts list is on file at this agency. The following accessories were overhauled or exchanged. See maintenance releases in this logbook.

Installed six (6) new TCM cylinders P/N 655469A8BP. Installed two new Slick magnetos, left P/N 6310, S/N 05072333, and Right P/N 6310, S/N 05072337. Installed oil cooler P/N 635996, S/N C96-1949-1393, overhauled by Pacific Oil Cooler Service, Inc.. Installed fuel system which include the following components, t/cont. S/N C269601A, fuel pump S/N B00JA436, manifold valve S/N C269601C, overhauled by B&S Aircraft Parts & Accessories, Inc. ————END—————

All applicable airworthiness directives and related factory publications have been checked for compliance at this date. See list in this log book. This engine was test run in an FAA approved test cell and meets specifications. The aircraft engine identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. Pertinent details of repair are on file at this repair station under:

Work Order # 180 Date 9/18/2006

Poplar Grove Airmotive, Inc.
 Poplar Grove Airport, Poplar Grove, IL
 FAA Approved Repair Station #YYBR664L

[Signature]
 Signed for Poplar Grove Airmotive, Inc.

YEAR
DATE
MAN
AD #
#86-1
87-14
88-03
88-17
91-19
93-10
93-16
98-01-1
99-19-1
00-00-1
00-23-2
04-08-1
Poplar
FAA A

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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10-10-06
N458JH
1186.1 hobbs

Replaced #1 rocker cover, used new gasket.
Installed new tach drive seal.
Resealed plug in starter drive adapter.

David Duv
AP 344386227

11-1-06
N458JH
1195.8 hobbs

Removed starter drive and installed new TCM starter drive.

T. L. A.
A&P 344481677

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

FINEFIELD AVIATION DATE: 11-8-06

ENGINE LOG					
A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
458JH	Beech	A36	E-3037	1203.0	

Changed oil and filter. Cut open old filter and found no contaminants. Added 11qts Phillips 20W50 Type M oil. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein:
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

FINEFIELD AVIATION DATE: 2-19-07

ENGINE LOG					
A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
458JH	Beech	A36	E-3037	1224.9	

Changed oil and oil filter. Cut open old filter and found no contaminants. Added 11 qts 15W50 Shell oil and 1 bottle Camguard. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein:
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

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YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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FINEFIELD AVIATION

ENGINE LOG				DATE: 6-12-07	
A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
458JH	Beech	A36	E-3037	1274.9	
<p>Changed oil and filter. Cut open old oil filter and found no contaminants. Added 11 qts. 15W50 Shell oil. Washed down engine. Ran up and checked for leaks found none. Tightened right tailpipe clamp bolts.</p> <p>This aircraft has been found airworthy for return to service with respect to the work described herein: Authorized Signature: <i>James Finefield</i> Printed Name: James Finefield AP 353483286 IA For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858</p>					

FINEFIELD AVIATION

ENGINE LOG				DATE: 10-4-07	
A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
458JH	Beech	A36	E-3037	1322.2	147.1
<p>I certify that this aircraft has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition. Compression test: 1) 73/80, 2) 72/80, 3) 74/80, 4) 73/80, 5) 72/80, 6) 73/80. Installed terminal boot at alternator positive post. Changed oil and filter. Cut open old filter and found no contaminants. Added 11 qts. 15W50 Shell oil. Cleaned fuel controller inlet screen. Checked magneto timing to specs. Cleaned, gapped and rotated spark plugs. Cleaned fuel injectors ultrasonically. Installed new adel clamp securing alternate air cable at mixture control stand off. Tightened induction hose clamps and rocker cover screws. Dressed prop blades. Installed new seal in right rear drive mounting plate and covered with plate. Removed left muffler, sent for overhaul and reinstalled. Washed down engine. Ran up and checked for leaks found none. Lubed controls and checked rigging. Pressure checked engine fuel system and found no leaks. AD 84-26-02 Induction filter due for replacement in 301.1 hrs.</p> <p>This aircraft has been found airworthy for return to service with respect to the work described herein: Authorized Signature: <i>James Finefield</i> Printed Name: James Finefield AP 353483286 IA For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858</p>					

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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TORNADO ALLEY TURBO INC.
 300 AIRPORT RD
 ADA, OK 74820

AIRFRAME LOG BOOK ENTRY

4 FEB 2008

N458JH BONANZA A36 SN: E-3037 ACFT TT: 1368.5 ACFT HOBBS: 1368.5
TCM IO-550-B SN: 675842 ENG TSN: 193.4

INSTALLATION OF "WHIRLWIND SYSTEM II" TURBO NORMALIZING SYSTEM COVERED UNDER STC SA5223NM AND STC SE5222NM, IAW INSTALLATION INSTRUCTIONS ETI-B-01 REV. H DATED 03/04/05 AND MASTER DRAWING LIST TAT-B-MDL REV. K DATED 08-20-04. SEE FLIGHT MANUAL FOR FLIGHT MANUAL SUPPLEMENT FOR THE TURBO SYSTEM OPERATION AND CONTINUED AIRWORTHINESS. MODIFIED EXISTING STARTER DRIVE ADAPTER WITH NEW SCAVENGE PUMP GEAR AND SHAFT. INSTALLED TURBONORMALIZED FUEL CONTROLLER PART NUMBER FT-B8.5/1-442 SERIAL NUMBER A07FA112. INSTALLED TURBONORMALIZED ENGINE DRIVEN FUEL PUMP PART NUMBER FT-B8.5/632818-2-11 SERIAL NUMBER 318. INSTALLATION OF GENERAL AVIATION MODIFICATION INC. turboGAMIjectors KIT NO GT16B, S/N 17232 UNDER STC SE09289SC AND IAW GAMI INSTALLATION PROCEDURE NO. IP-97-002. DRAINED OIL AND REMOVED OIL FILTER. RETAINED SAMPLE FOR ANALYSE. INSPECTED OIL FILTER. SERVICED ENGINE WITH 12 QUARTS OF AEROSHELL 15W50 OIL AND INSTALLED CHAMPION CH48109-1 OIL FILTER. SET TIMING TO 22 DEGREES BTC. INSTALLED ALL NEW CHAMPION RHB32E SPARK PLUGS.
 RUN-UP, OP's, AND LEAK CHECK OK.

David R. Landreth
 DAVID R. LANDRETH A&P 2651512 IA

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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FINEFIELD AVIATION

ENGINE LOG **DATE: 5-13-08**

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
458JH	Beech	A36	E-3037	1417.4	

Changed oil and filter. Cut open old oil filter and found no contaminants. Took oil sample. Added 10qts. 15W50 Shell oil. Washed down engine. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein:
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

FINEFIELD AVIATION

ENGINE LOG **DATE: 5-22-08**

A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
458JH	Beech	A36	E-3037	1421.0	

Removed starter adapter, sent to Poplar Grove Airmotive for warranty repair and overhaul. Reinstalled using new gasket and torqued. Reinstalled all other components to gain access to starter adapter. Sent starter p/n: 646275-1R s/n: 6051113 for repair and reinstalled. Washed down engine. Ran up and checked operation, checked ok.

This aircraft has been found airworthy for return to service with respect to the work described herein:
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

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YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

FINEFIELD AVIATION						
ENGINE LOG					DATE: 7-16-08	
A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH	
458JH	Beech	A36	E-3037	1461.1		
Compression test: 1) 74/80, 2) 67/80, 3) 71/80, 4) 72/80, 5) 68/80, 6) 73/80. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 11qts. 15W50 Shell oil and 1 pint Camguard. Tightened all induction clamps. Repaired right side baffle by patching.						
This aircraft has been found airworthy for return to service with respect to the work described herein: Authorized Signature: <i>Jim Finefield</i> Printed Name: James Finefield AP 353483286 IA For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858						

FINEFIELD AVIATION						
ENGINE LOG					DATE: 8-2-08	
A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH	
458JH	Beech	A36	E-3037	1470		
Installed serviceable Donaldson air filter p/n: P137627 or Beech p/n:35-380035-7 with 152.9 hrs on it. Filter due for replacement in 347.1 hrs. or at aircraft tach time 1817.1 hrs.						
This aircraft has been found airworthy for return to service with respect to the work described herein: Authorized Signature: <i>Jim Finefield</i> Printed Name: James Finefield AP 353483286 IA For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858						

656990
 SCREW 312

FINEFIELD AVIATION

ENGINE LOG				DATE: 10-29-10	
A/C N#	MAKE	MODEL	A/C S/N	HM	TSMOH
458JH	Beech	A36	E-3037	1673.3	

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ber of
entries.)

Changed oil and filter. Cut open old oil filter and found no contaminants. Added 11 qts. 15W50 Shell oil. Tightened turbocharger tail pipe clamp. Washed down engine. Ran up and checked for leaks found none.

This aircraft has been found airworthy for return to service with respect to the work described herein.
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

condition I.A.W. the Beech maintenance manual. Compression test: 1) 60/80, 2) 63/80, 3) 74/80, 4) 63/80, 5) 50/80, 6) 62/80. Removed #5 cylinder for repair. Installed same repaired cylinder using new gasket set and piston rings. Removed dry air pump p/n: RA216CW s/n: B10371 and installed overhauled pump p/n: 216CW s/n: 138698 using new gasket. Cleaned induction air filter element. Adjusted both throttle and mixture rod ends. Tightened all rocker cover screws and induction clamps. Cleaned fuel controller screen. Changed oil and filter. Cut open old oil filter and found no contaminants. Added 11 qts. 15W50 Shell oil and 1 pint Camguard. Dressed prop blades. Removed, cleaned, gapped and reinstalled spark plugs. Removed air conditioning compressor, compressor bracket, and hoses and capped off fittings at firewall. See new weight and balance. Checked magneto timing to specs. Lubed controls and checked rigging. Washed down engine. Ran up and checked for leaks found none. Pressure checked engine fuel system and found no leaks. AD 84-26-02 Induction filter due for replacement in 225.9 hrs. AD 2009-19-07 Teledyne Continental cylinders D.N.A. due to having the #649166 on all rocker cover flanges. AD 2009-24-52 Teledyne Continental lifters D.N.A. since lifters have not been replaced in last year.

This aircraft has been found airworthy for return to service with respect to the work described herein.
 Authorized Signature: *James Finefield* Printed Name: James Finefield AP 353483286 IA
 For Finefield Aviation, 8399 Pyott Road, Lake in the Hills, IL 60156 Phone: 815-459-4858

YEAR

DATE

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG. NO: N458JH
WORK ORDER:
1157-11-2012



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 20 November, 2012
A/C TSN: 1852 9
ENG TT: 1852.9
TSMOH: 677.8
HOBBS: 1852.9

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Engine Entries

(1) Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 12 Qts. of Aeroshell 15W50 and a new AA48109 filter. Ground ran and leak checked. Adjusted the mixture, enriched for idle speed.

Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station. CRS NF2R029L under Work Order No. 1157-11-2012, Dated 20 November, 2012.

DATE: 20 November, 2012

SIGNED:

Work Order: 1157-11-2012

Bruce Rebechini
Certified Repair Station No. NF2R029L

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12-19-2012	HOBBS	1865.7	ENGINE TOTAL TIME 1865.7 TSMOH 690.6 REMOVED ENGINE FOR REPAIR DUE TO LIFTER & CAM FAILURE AND #2 CYLINDER O/SO PSI Bruce Rebechini NF2R029L

The aircraft and or component identified below was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are

The aircraft and or component identified below was repaired and inspected in accordance with current Federal Air Regulations and was found airworthy for return to service. Pertinent details of the repair are on file at this agency under Work Order Number: **69253**

Engine Model **IO-550-B** Serial Number: **682271**

Date: **2/20/2013** Signed: *[Signature]*

F.A.A. CFS MW2R020L
1701 E. Main Street
Griffith, IN 46319
(219)924-7110

MASTERS ENGINE BUILDERS



02/20/13 14:58:49 DISASSEMBLED, CLEANED, INSPECTED, REPAIRED AS PAGE
NEEDED, REASSEMBLED, & DYNO TESTED USING THE
FOLLOWING PARTS:

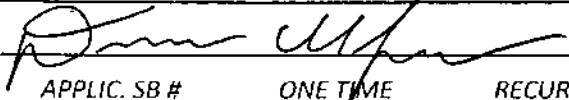
Item Num.	Item Description	Quantity
AA48109	OIL FILTER	1
CASE-6CO RECON	Crankcase reconditioned	1
EQ7003	CAMSHAFT KIT OPTION 2	1
MS9970-116	O Ring	1
MS9970-117	O Ring	1
O-PARTS	RG-534857-S Gasket Serviceable	6
O-PARTS	652984-S Shaft serviceable	12
SA630916	Gasket	1
24802	Lock	24
401932	Stud	1
530658	Bushing	6
532432	Plug	1
534625	Packing	1
537742	Screw	2
539023	Hose	1
629163	Washer	12
629163-5	Clamp	1
630046	Clamp	1
630899	Pin & Plug	6
630899	Bearing	1
630866-.56	Bolt	2
630979-9	O Ring	12
631972	Clamp	4
632224	Baffle	1
632977-R	Shaft Housing - Reconditioned	1
633958-3	Seal	6
633958-5	Seal	4
636242P005	GUIDE VALVE (SS FROM 643767P005	2
636242P020	GUIDE VALVE	4
641250	Seal	1
642398	Bearing	12
646550A1	Gasket Set	1
646552A2	Bearing set	1
646599	Baffle	1
646600	Baffle	1
646985	Seal	6
652129	Rocker Bushing	3
654490	Nut	12
654587-.44	Cam bolt	4
654716P005	Rings	4
655269	Bushing	6
655771	EXHAUST VALVE	6
655958	BOLT	12
656990	SCREW. 312	6

AIRWORTHINESS DIRECTIVE

repair

At date of engine ~~check~~ 2/20/2013

Engine Model: IO-550-B

Authorized Signiture: 

AD & REV#	REV DATE	APPLIC. SB #	ONE TIME	RECURRING
87-14-02		M87-13	X	
88-03-06		M88-4	X	
88-17-03		M88-5	X	
91-19-03		-----	X	
93-10-02		MSB93-12	X	
93-16-15		M93-9	X	
98-01-08		-----	X	
99-19-01		MSB99-3C	X	
2000-23-21		MSB05C	X	

COMPLIANCE RECORD

S/N 682271

W/O 69253

C/W complied with, P/C/W previously complied with, N/A not applicable

CRS MW2R020L

[Handwritten Signature]

	N/A by P/N
	N/A by P/N
	N/A by P/N
	N/A by P/N
	C/W by insp.
	P/C/W
	N/A by P/N
	N/A by S/N
	N/A by S/N

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YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations
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Entries must be endorsed with Name, Rating and Certificate Number of

COMPLIANCE RECORD

S/N 682271 W/O 69253

C/W complied with, P/C/W previously complied with, N/A not applicable

CRS MW2R020L *[Signature]*

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	N/A by manu.
	N/A by manu.
	N/A by S/N
	N/A by P/N
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YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of (See book pages for other specific entries.)
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ENGINE
ENGINE
REG NO
WORK C

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG. NO: N458JH
WORK ORDER: 1170-11-2012

 **J.A. Air Center**
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone 630 584 3200

DATE: 08 March, 2013
A/C TSN: 1865.7
ENG TT: 1865.7
TSMOH: 690.6
HOBBS: 1865.7

Engine Entries

- 2 Engine was removed after finding #2 cylinder at 0/80 PSI and cam and lifters were found in advanced spalling. Removed this IO-550-B S/N 682271 with 1865.7 hours total time and 690.6 SMOH and sent to G&N Aircraft CRS# MW2R020L for repairs ref WO No. 69253. Reinstalled the engine as per Tornado Alley installation manual after cam and lifter replacement, all six cylinders were repaired as needed, crankcase was repaired.
Replaced the magneto filter P/N 1396-2. Installed new gaskets and hardware as needed. Flushed all oil hoses, turbo, turbo controller, and waste gate. The propeller governor C290D3-K/T23 S/N 950433 and Propeller model D3A32C409-C/G82NBD-2 S/N 960189 were flushed by Aircraft Propeller Service CRS#EY2R811K ref 8130-3's 56146 and 55668. The engine was serviced with Phillips 20-50 Type M oil and pre-oiled. The engine was ground run, flight tested and final adjustments made as necessary.
- 4 Installed a new air conditioning bracket kit P/N EQ7530 in accordance with Teledyne Continental Service Bulletin SB09-4A and instruction drawing number 657653 REV.B No further inspection is required.

Engine
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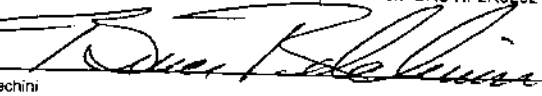
DATE: 1:

Maintenance Release

I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 1170-11-2012, Dated 08 March, 2013.

ENGINE M
ENGINE S
REG NO:
WORK OF

DATE: 08 March, 2013

SIGNED: 

Bruce Rebechini
Certified Repair Station No. NF2R029L

Work Order: 1170-11-2012
Printed by EBis 3 (datcomedia.com)

YEAR	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations

Engine
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Airworthy
December

DATE: 31

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG NO: N458JH
WORK ORDER: 1910-10-2013



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 18 October, 2013
A/C TSN: 1917.8
ENG TT: 1917.8
TSMOH: 742.7
HOBBS: 1917.8

Engine Entries

- 1 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 12 Qts. of Aeroshell 15W50 and a new AA48109 filter. Ground ran and leak checked.
- 2 Installed new tach generator drive seal p/n 531378 and re-installed generator with new 653487 gasket

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 1910-10-2013, Dated 18 October, 2013.

DATE: 18 October, 2013

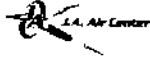
SIGNED:

Don Morgan
Certified Repair Station No. NF2R029L

Work Order: 1910-10-2013

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG NO: N458JH
WORK ORDER: 2154-12-2013



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630 584 3200

DATE: 31 December, 2013
A/C TSN: 1939.1
ENG TT: 1939.1
TSMOH: 764
HOBBS: 1939.1

Engine Entries

- 1 Drained oil and sample. cut opened and inspected the oil filter. Installed new AA48109 filter and serviced engine with 12 quarts of Phillips 20W50 X/C oil. Ran engine and detected no oil filter leakage.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 2154-12-2013, Dated 31 December, 2013.

DATE: 31 December, 2013

SIGNED:

Don Morgan
Certified Repair Station No. NF2R029L

Work Order: 2154-12-2013

Printed by EBis 3 (datcomedia.com)

ENGINE MODEL: IO-550-B
ENGINE S/N 682271
REG NO. N458JH
WORK ORDER: 2475-03-2014



J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 01 April 2014
A/C TSN: 1946
ENG TT: 1946
TSMOH: 770.9
HOBBS: 1946

ENGINE MODEL
ENGINE S/N: 682
REG. NO. N458JH
WORK ORDER 3

Engine Entries

- 2 Completed an annual inspection on this engine as per Hawker Beechcraft Bonanza Series Maintenance Manual Chapter 5-20-00 dated October 1, 2011 pages 2 through 29 for an annual inspection as a guide and AC 43.13-1B Chapter 9, Continental IO-550-B Maintenance Manual and Tornado Alley ICA for an annual inspection as a guide, and AC 43.13-1B Chapter 9. Compressions were tested as follows, #1-65, #2-69, #3-71, #4-63, #5-71 and #6-70 all over 80 psi. The oil and filter was changed. Collected a Blackstone oil sample. Opened and inspected the filter. Serviced the engine with 12 Qts of Phillips 20W50 x/c oil and a new AA48109 filter.
- 7 Removed and replaced all spark plugs p/n URHB32E I.A.W. TCM MM M-16 6-3.9.2

Maintenance Release

The aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 2475-03-2014, Dated 01 April, 2014

DATE: 01 April, 2014

SIGNED:

Don Morgan
Certified Repair Station No. NF2R029L

Work Order: 2475-03-2014

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Engine Entries

- 1 Check I
1) Check
2) Comp
3) Bore
Recomr

Maintenance Release
The aircraft, engine
Airworthy for return
August, 2014.

DATE: 20 August

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG. NO. N458JH
WORK ORDER: 2985-08-2014



J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 08 August, 2014
A/C TSN: 1977.2
ENG TT: 1977.2
TSMOH: 802.1
HOBBS: 1977.2

ENGINE MODEL: IO
ENGINE S/N: 68227
REG. NO. N458JH
WORK ORDER 305

Engine Entries

- 4 Changed the oil and filter. Opened and inspected the filter for contaminants. Filled and submitted a Blackstone oil sample. Serviced the engine with 12 Qts. of 20W50 X/C and a new AA48109 filter. Ground ran and leak checked.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 2985-08-2014, Dated 08 August, 2014.

DATE: 08 August, 2014

SIGNED:

Bruce Rebecchini
Certified Repair Station No. NF2R029L

Work Order: 2985-08-2014

Printed by EBis 3 (datcomedia.com)

Engine Entries

- 4 Drained o
of Phillips

Maintenance Release
The aircraft, engine,
Airworthy for return
December, 2014.

DATE: 05 Decemb

31 April 2014
A/C TSN 1946
ENG TT: 1946
TSMOH: 770.9
HOBBS: 1946

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG NO: N458JH
WORK ORDER: 3037-08-2014



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone 630.584.3200

DATE: 20 August, 2014
A/C TSN 1978.3
ENG TT: 1979.3
TSMOH 803.2
HOBBS 1978.3

16
13
12
12
13

Engine Entries

- 1 Check for possible causes of hi metals in last oil sample.
 - 1) check air-filter and alternate air door, no problems were found.
 - 2) Compression check 1. 78, 2. 74, 3. 74, 4. 70, 5. 77, 6. 75 all over 80 psi
 - 3) Borescope inspect all cylinders, noted some scuffing and areas of patchy past corrosion that has been removed from running the engine. Recommend monitoring at next sample.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 3037-08-2014. Dated 20 August, 2014.

DATE: 20 August, 2014

SIGNED:

Bruce Rebechini
Bruce Rebechini
Certified Repair Station No. NF2R029L

Work Order: 3037-08-2014

Printed by EBis 3 (datcomedia.com)

011
CA for an
per 80 psi.
IO x/c oil

175-03-2014
media.com)

116
16)

August, 2014
TSN: 1977.2
G TT: 1977.2
SMOH: 802.1
HOBBS: 1977.2

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG NO: N458JH
WORK ORDER: 3057-08-2014



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone 630.584.3200

DATE: 05 December, 2014
A/C TSN 2012.1
ENG TT: 2012.1
TSMOH 837
HOBBS 2012.1

Engine Entries

- 4 Drained oil and collected a Blackstone oil sample. Cut opened and inspected the oil filter. Installed a new AA48109 filter and serviced engine with 12 quarts of Phillips 20W50 X/C oil. Ran engine and detected no oil filter leakage.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 3057-08-2014. Dated 05 December, 2014.

DATE: 05 December, 2014

SIGNED:

Don Morgan
Don Morgan
Certified Repair Station No. NF2R029L

Work Order: 3057-08-2014

Printed by EBis 3 (datcomedia.com)

12 Qts.

s found
Dated 08

185-08-2014
media.com)

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG. NO: N458JH
WORK ORDER: 7743-08-2018



J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 21 September, 2018
A/C TSN: 2126
ENG TT: 2126
TSMOH: 950.9
HOBBS: 2126

ENGINE MODEL: IO-550-B
ENGINE S/N: 682271
REG NO N458JH
WORK ORDER: 8492

Engine Entries

Completed an Annual Inspection on this engine as per Hawker Beechcraft Bonanza Series Maintenance Manual Chapter 5-20-00 dated June 22, 2017 pages 9 through 29 for an Annual Inspection as a guide and AC 43.13-1B Chapter 9, Continental IO-550-B Maintenance Manual and Tornado Alley ICA for an annual inspection as a guide, and AC 43.13-1B Chapter 9. Compressions were tested as follows; #1-63, #2-64, #3-69, #4-70, #5-70 and #6-61 all over 80 psi. Borroughs orifice 48 minimum for the day. The oil and filter was changed. Filled and submitted a Blackstone oil sample. Opened and inspected the filter. Serviced the engine with 12 Qts of Phillips 20W50 X/C oil and a new AA48109 filter.

7 Adjusted Idle speed and Mixture as per SID97-3F to obtain 600- 650 RPM and 25 - 60 RPM rise at Idle Cut-off.

Maintenance Release
I certify the aircraft and/or component(s) on was repaired and/or inspected in accordance with an annual inspection, and current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145 5424 under Work Order No. 7743-08-2018, Dated 21 September, 2018.

SIGNED:

Jon Hilgenberg
Certified Repair Station No NF2R029L

Work Order: 7743-08-2018

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DATE: 21 September, 2018

Engine Entries

2 Completed 9 through 2 annual insp The oil and 15W50 oil.

Maintenance Release
I certify the aircraft and Airworthy for return to :

DATE: 01 November

ENGINE MODEL IO-550-B
ENGINE S/N 682271
REG NO N458JH
WORK ORDER: 8114-03-2019



J.A. Air Center
Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630 584 3200

DATE: 02 April, 2019
A/C TSN: 2141.2
ENG TT: 2141.2
TSMOH: 966.1
HOBBS: 2141.2

Engine Entries

Installed new pushrod tube seals P/N 534610 on cylinders #2, #4, and #6. Installed new rocker cover gaskets P/N 65528 on all six cylinders. Ran engine and checked for leaks. Found no discrepancies at this time.

Maintenance Release
I certify the aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145 5424 under Work Order No. 8114-03-2019, Dated 02 April, 2019

SIGNED:

Don Morgan
Certified Repair Station No NF2R029L

Work Order: 8114-03-2019

Printed by EBis 3 (datcomedia.com)

DATE: 02 April, 2019

