

Engine Record General Information

wo/inv#23714

Manufacturer Continental Model TS10-360 GB-C-LB1
Serial 309473 Type Certificate E909
This engine is currently installed in aircraft: mooney 231K N242BB

Minimum Octane Fuel 100/100LL Oil Grade Summer 50WT Winter 40WT
Magnetos Time 20° BTC Point Setting _____ Firing Order 1-6-3-2-5-4
Spark Plug Gap .016 - .021
Manufacturer's Recommended Overhaul at 1800 hours

DATE

19 _____

This Document Is To Serve As

Certificationof
Major Overhaul and Block Test Run
by**Certified Engines Unlimited, Inc.**

MFG.

Continental

MODEL

TS10-360GBCLBI

SERIAL NO.

309473

TOTAL TIME

2261.0 hrs

A.D. NOTES

QW see rear logbook

PERTINENT DETAILS OF THE WORK PERFORMED ARE ON FILE AT THIS AGENCY UNDER

WORK ORDER NO.

23714

DATE

4/19/95

SIGNATURE OF AUTHORIZED INDIVIDUAL

Will N. Metcalf

FOR CERTIFIED ENGINES UNLIMITED, INC.

4000 N.W. 145th ST., OPA-LOCKA AIRPORT, OPA-LOCKA, FLORIDA 33054
PHONE: (305) 685-8331

JAR 145 Approved

FAA APPROVED REPAIR STATION KG4R309M

Alterationste Number of
pecific entries.)**SERVICEABLE****CERTIFIED
ENGINES
UNLIMITED, INC.**4000 N. W. 145 St. - Airport
Opa-Locka, Fla 33054
Phone: (305) 685-8331
Fax # (305) 681-8027

FAA Approved Repair Station No. KG4R309M

Part Name

Engine

Part No.

Cont TS10-360GBCLBI S/N: 309473

Job No.

23714

Remarks

*'D' Since Chrome Major
Overhaul & Test Run*

Date

4/19/95

Inspector

DATE

19

RECORDING
TACHTODAYS
FLIGHTTOTAL
TIME IN**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of

Certified Engines Unlimited, Inc.

FAA Approved Repair Station No. KG4R309M
4000 N.W. 145th Street, Airport, Opa-Locka, Florida 33054
Phone: (305) 685-8331

LIMITED OVERHAUL WARRANTY

- 1. Subject Matter and Scope of Warranty.** Certified Engines Unlimited, Inc. (hereafter referred to as "CEU") warrants each overhauled engine to be free from defects in material workmanship. This Warranty is expressly subject to the terms and conditions set forth below and shall not apply outside the operational periods listed or to any engine which has been subject to misuse, neglect, accident or damage from the elements or which has been installed, repaired, maintained or altered in any manner which in the judgment of CEU has had an adverse effect on the performance or reliability of engine or part.
- 2. Time Limits.** This Warranty for parts and labor, extends for a period of nine (9) months from the date of service or two hundred (200) hours, whichever occurs first. An additional prorated warranty extends, parts only, to six hundred (600) hours on direct engines, and four hundred (400) hours on geared engines. Certified Engines Unlimited considers the frequent use and operation of an engine to be an integral factor in extending engine life. For this reason, CEU considers warranty hours based upon a minimum usage of 30 hours per month, regardless of actual engine operation hours.
- 3. Express Conditions.** As a time and condition of this Warranty, the customer is required to follow factory recommended service procedures and maintenance guidelines.
- 4. Proper maintenance logbooks** are to be kept by and maintained by the customer and shall be furnished to CEU on demand as a condition to the Warranty.
- 5. Limitations and Exclusions.** All parts and labor are to be approved by CEU prior to commencement of work under this Warranty. CEU is responsible only for the cost of reasonable labor and materials necessary to repair or replace the parts CEU determines to be defective in material or workmanship at CEU's place of business, located at Opa-Locka, Florida. Under no circumstances shall CEU be responsible for charges incurred in the removal and reinstallation of defective parts or engines.
- 6. THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REPRESENTATIONS, EXPRESS OR IMPLIED, OR STATUTORY, WHETHER WRITTEN OR ORAL, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS AND FOR ANY PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTY ARISING FROM ANY COURSE OF PERFORMANCE OR DEALING OR TRADE USAGE. THIS WARRANTY IS ALSO IN LIEU OF ANY OTHER OBLIGATION, LIABILITY, RIGHT OF CLAIM, WHETHER IN CONTRACT OR IN TORT, INCLUDING ANY RIGHT IN STRICT LIABILITY IN TORT OR ANY RIGHT ARISING FROM NEGLIGENCE ON THE PART OF CEU, AND CEU'S LIABILITY ON SUCH CLAIM SHALL IN NO CASE EXCEED THE PRICE ALLOCABLE TO THE ENGINE OR PART WHICH GIVES RISE TO THE CLAIM.**
- 7. LIMITATION ON LIABILITY.** IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF WARRANTY, CONTRACT OR ALLEGED NEGLIGENCE, SHALL CEU BE LIABLE FOR SPECIAL OR CONSEQUENTIAL OR ANY OTHER DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUES, LOSS OR USE OF THE ENGINE OR AIRCRAFT OR COST OF A REPLACEMENT, PERSONAL INJURY OR FATALITIES, OR FLIGHT DELAYS OR CANCELLATIONS.
- 8. CRACKED CYLINDERS AND CRANK CASES ARE EXCLUDED FROM ALL WARRANTIES, UNLESS IT CAN BE DETERMINED THAT THE DAMAGE IS A DIRECT AND PROXIMATE RESULT OF IMPROPER WORKMANSHIP BY CEU. ACCESSORY ITEMS ARE TO BE WARRANTED BY VENDOR OF SUCH ITEMS.**

DATE

19 _____

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
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.)



FAA NO. KQ4R309M

MAINTENANCE RELEASE

The aircraft engine and/or component identified was repaired and inspected in accordance with current Civil Air Regulations and was found airworthy for return to service.

Pertinent details of the repair are on file at this agency under work order

No. 23714

Date 4/19/95

Signed *W. N. McFarland* for

(Signature of authorized individual)

CERTIFIED ENGINES UNLIMITED, INC.

4000 N.W. 145 ST.; OPA-LOCKA AIRPORT, FLA. 33054

PHONE (305) 685-8331

CAUTION

This engine has been test run according to factory recommended procedures. Avoid prolonged ground run or slow flight as this causes new engine damage and will void warranty.

For proper warranty coverage consult Certified Engines before any repairs or adjustments are made on the engine.

CAUTION

Warranty will be voided if all oil fed accessories are not cleaned, tagged and recorded in logbook at time of engine overhaul, eg. prop, prop governor, oil cooler, oil tank, & all fuel & oil lines.

McFarland

ations
er of
tries.)

DATE

19

RECORDING
TACH

TODAYS
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.)

19 April 1995 This engine model Continental TSIO-360 GB-C-LB1, serial #309473 was overhauled by Certified Engines Unlimited, Inc., of Opa Locka, Florida according to factory recommended procedures, specifications, limits, and pertinent Federal Aviation Regulations.

All internal steel parts were magnafluxed and all non-ferrous materials were checked for cracks. All the guidelines from the Continental Overhaul Manual #X30596A were followed at time of overhaul.

Both magnetos, the starter and the alternator OHC by Executive Accessories, Inc., CRS #RL4R496M. The oil cooler OHC by United Accessory, CRS#TE1R503K. The fuel injection system rebuilt by the TCM factory. The turbocharger and the pressure relief valve OHC by Kelpak East, CRS#UH4R570M. All tags received from the accessory suppliers are located at the rear of this logbook.

The camshaft reground to the specifications of the manufacturer by Aircraft Specialties Services, CRS#DD2R764K. Six 'Satin Chrome' OHC cylinders a new ignition harness installed.

(continued)

CERTIFIED ENGINES UNLIMITED, INC.
OPA-LOCKA AIRPORT, FLORIDA
FAA CRS #KG4R309M

WO # 23714 (305) 685-8331
AUTH. SIG. Walter A. McFarland DATE 4/19/95

DATE

RECORDING
TACHTODAYS
FLIGHTTOTAL
TIME IN

Description of Inspections, Tests, Repairs and Alterations
 Entries must be endorsed with Name, Rating and Certificate Number of
 (specific entries.)

19 April 1995

*All recommended parts listed in the Continental Overhaul Manual and Service
 Bulletin SB#M87-11 rev 2 were installed at time of overhaul.....(see list below):*

QUAN	PART NO	DESCRIPTION	QUAN	PART NO	DESCRIPTION	QUAN	PART NO	DESCRIPTION
1	SA539800 N15	CLUTCH SPRING	1	630680	ROLLER BEARING	1	633630	OIL P SCAV GEAR
1	645543A1	GASKET SET	1	MS35756-6	KEY	1	633874	NOZZLE
1	530917	C/S SEAL	12	SA22022	EXH NUT	1	642121-1RH	TACH DR SHAFT
6	642917-2	INT HOSE	12	SA631991	R. AXLE SHAFT	12	402044P003	EXH STUD
3	649994-14	INT HOSE	1	631928	HOSE			
4	638172	MAG BUSHING	1	633542R	SHAFTGEAR, OHC			
1	SA646597-A1	BEARING SET	24	631996	ROCK ARM RETAINE			
4	SA639580	C/S BUSHING	1	M2015	HARNES			
2	SA630261-43	C/W ROLLER	1	MS35756-3	KEY			
2	SA630261-44	C/W ROLLER	6	SA646460	EXH VALVE			
8	633976	RET PLATE	6	SA646459	INT VALVE			
8	SA629004	RETAINING RING	24	637731	EXH VALVE			
4	630692	SCREW	12	402044P003	EXH STUD			
4	630742	SCREW	6	648048	PISTON			
12	SA633106	LIFTER	6	649225CP	RING SET			
6	SA538634	ROD BUSHING	12	625957	INNER V. SPRG			
12	SA539213	BOLT	12	625958	OUTER V SPRING			
12	SA626140	NUT	6	SA631654	ROTCOCOIL			
12	642338	ROD BEARING	6	SA630262 P10	INT GUIDE			
12	SA639292	COTTER PIN	6	SA632282 P10	EXH GUIDE			
6	SA629690	PIN	6	SA629702 P10	INTAKE SEAT			
4	36025	WASHER	6	SA635959 P10	INSERT			
25	501867	TAB WASHER	24	SA627693	ROCK ARM BENG			
1	CH48108	OIL FILTER	8	639198	C/W BUSHING			
1	627458	SPRING	6	632248	SLBEVS			
1	641368	NEEDLE BEARING	4	633958-5	SEAL			
3	MS35756-8	KEY	6	633958-3	SEAL			
1	X13041	BALL BRG	1	641533	SEAL			
1	502287	RET RING	6	646678	INT SEAL			

CERTIFIED ENGINES UNLIMITED, INC.
OPA-LOCKA AIRPORT, FLORIDA
FAA CRS #KG4R309M

WO # 23744 (305) 685-8331
 AUTH. SIG. William N. Mercer

DATE

4/19/95

ations
er of
ries.)

DATE

19

RECORDING
TACH

TODAYS
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of
(For entries other than specific entries.)

19 April 1995

After final assembly, this engine was run-in for a period of three hours with all temperatures, pressures, and performances within those limits as prescribed by the factory.

All airworthiness directives complied with at major overhaul are listed at the rear of this logbook. This engine is airworthy and acceptable for return to normal service.

CERTIFIED ENGINES UNLIMITED, INC.

OPA-LOCKA AIRPORT, FLORIDA

FAA CRS #KG4R309M

(305) 685-8331

WO #

23714

DATE


4/19/95

AUTH. SIG.

W. H. McNeil

DATE 19 _____	RECORDING TACH TIME	TODAYS FLIGHT <i>SMDH</i>	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.)
MAY 30 1995	<i>2261.</i>	ZERO	<i>2261.</i>	Engine Reinstalled In Mooney M-20-J S/N 25-0485. & Accessories As Required. Governor Removed Due To Low Static RPM-Gov. Overhauled By Aviation Propeller Inc. Of Opa-Locka FL. Governor Re - Installed & Adjusted. Run up. Satisfactory. <i>Carl Garlough</i> CARL GARLOUGH A & P 50457 - I.A.
BC The Aero Shop INC FT. LAUDERDALE A.				
				I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL... INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
				DATE May 30, 1995 TOTAL TIME 2261. SIGN: Carl Garlough RATING: AP 50457-I.A.

ons
si
(S.)0-12
d.
eller
-
y.

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 Technician or Repair Facility. (See back pages for other specific entries.)
1995 10-6-95	2292.8			INSTALLED TURBO CHARGER AFTER REPAIR BY KEL TAKEAST. INSTALLED NEW MAGNETO PRESSURIZATION FILTER. INSTALLED NEW TURBO CHARGER RETURN LINE CHECK VALVE TCM PART# 641068. INSTALLED NEW TURBO CHARGER TO EXHAUST CLAMP. CHECK AND RESET FUEL PRESSURE FLOW MOUNTING XTCM M.M. AIRCRAFT WAS GROUND RUN AND IS APPROVED FOR RETURN TO SERVICE W/FA 8499 Thomas J. Fennell LCPRO256 BOCA AVIATION
TAG REMOVED FROM VALVE 11/2005				
				
DUKES # 124000-1 SER # 9051				

DATE 19 <u>96</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 Technician or Repair Facility. (See back pages for other specific entries.)
7/29/96	HOBBS	1559.0		SMOH CONTINENTAL TS10-360 GB-G-LBI S/N 309473 INSTALLED THIS DATE IN MOONEY M20K N231ME S/N 25-0166, WITH ACCESSORIES AS REQUIRED. GROUND RUN AND CHECK FOR SYSTEMS OPS & LEAKS GOOD. FLIGHT TEST FOR ENGINE OPS. GOOD. Leon D. Cole - Pilot, A&P 175426285.
9/28/96	Hobbs T.T. Eng = 2416.5 SMOH = 155.5	1576.5		I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE T.T. 2416.5 DATE <u>28 SEPT 1996</u> SIGNATURE <u>Q.W. Mangat</u> A.I. 765258

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 Technician or Repair Facility. (See back pages for other specific entries.)
6 OCT '97	1668.2	—		TT = 2416.5 SMOH 155.5 100 hr INSP. CHANGED ENGINE OIL 8 QTS 15 W50 Aeroshell. J.W. Wargold A.E. 765258 I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. APPROVED FOR RETURN TO SERVICE Hobbs Meter ENGINE T.T. <u>1668.2</u> DATE <u>6 OCT 1997</u> SIGNATURE <u>J.W. Wargold</u> A.I. 765258
11/16-98	ALC TACH	2947.2 Hobbs	1786.7 SUG 265.7	Complete Annual INSP Using MOORE & Cart manuals & Air INSP checklist AS Guide. Comp check #12/80 #22/80 #33/80 #44/80 #55/80 #66/80 Removed & disposed of here, installed new filter, sus oil Suction SCREEN & rands & added 8 qts 1550 #WAD 98-19-02 replaced + substituted with TCW 1629690 Pins, along with Seals & Gas lot required, #WAD 84-26-02 installed New Intake Air Filter -

er -

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 Technician or Repair Facility. (See back pages for other specific entries.)
19__				<p>cleaned Gapped Reinstalled plugs - checked mags & mag timing, made fiber glass repair to top & bottom cowls, washed engine & run up Good Approved for Return to Service —</p> <p>I CERTIFY THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION WO <u>5445 Tim Church</u> DAVIS AIR INC. FAA APPROVED REPAIR STATION B A Y R 3 6 5 C</p>

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 Technician or Repair Facility. (See back pages for other specific entries.)
11-22-99	Hebb's 1860.1	Eng ^{439.1} 349.1		<p>Complete Annual Inspection in accordance with Mooney & Kent. Manuals, DAVISAIR. Insp. Check List. DO Review This Quarterly 91-23. Compression check #1 7% #2 7% #3 7% #4 7% #5 7% #6 7% #7 7%, DRAIN oil - Remove filter - Inspect filter Refill used, Install EZF HARVER & O/W EZF Has instructions, Tighten & Sorten Mudi clamp on Tail pipe, Repair charge work for Fuel flow Inspection, Groom Rev. ops - Look at all work/</p> <p>I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION WO 005663 <i>Michael</i> DAVISAIR INC. FAA APPROVED REPAIR STATION B A Y R 3 6 5 C</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 Technician or Repair Facility. (See back pages for other specific entries.)
12-3-99	Hobbs 1862.4			Replaced Dist. Gear 10-357586 h.A. MAG Retimed MAG to engine & Run up / MAG check Good Approved for Return to Service Ken Urchuck Bay 12365C w.o. 5671
12-12-00	Hobbs	1864.9	EM 443.9 352.2	Complete Annual Inspection using CONT. Manual, Mooney Manual & Inspection check list, DOB Review Vario Bi-weekly 2000-02 Compression check #1 $\frac{73}{80}$ #2 $\frac{78}{80}$ #3 $\frac{75}{80}$ #4 $\frac{72}{80}$ #5 $\frac{73}{80}$ #6 $\frac{72}{80}$ DRAIN OIL - Remove Filter - Inspect Filter - Install New Filter & Refill with FUSE, Replace Grommet at Breather / Gear Box, Check Play check Mag assembly. Wash Timing & Low Ground Run Operations & Low check oil around APPROVED FOR RETURN TO SERVICE A. Michael ATIS 6005 21,0173

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 Technician or Repair Facility. (See back pages for other specific entries.)
12-19-01	14035	1882	2 ENY	<p>461.5 369.5</p> <p>Completed Annual Inspection using Mooney & Cont. Manual Inspection check list, ADI Review thru Bi-weekly 2001-24 Compression check #1 72% #2 72% #3 69% #4 76% #5 73% #6 72% Drain oil - Remove Filter Inspect Filter - Install new Filter Refill with 15W50 Aeroshell oil, clean-check plugs, check Magn. strapping, WGR Controls - Fuel drain valve Filter Wash Engine & Cool. Props Run. OPI - Leak check all normal</p> <p>I CERTIFY THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION WO# <u>0321</u> RS# <u>BRUCE R. R. R.</u></p>

ations

ber of
entries.)

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 Technician or Repair Facility. (See back pages for other specific entries.)

25 September 2002
TSIO-360-GBCLB(1)
Hobbs: 1898.8

N231ME

Mooney M20 "K" 231
Serial Number 309473
TSOH: 386.1

This date completed removal of R/H TCM Magneto 10-79020-18, Serial Number 86470174 and replaced with identical part number, Serial Number 8102753 due to failed rear bearing; installed twelve (12) new Unison URHM38E Spark Plugs; ran engine for functional check with no apparent discrepancies noted. ----- END


Michael J. Gillow A
A&P056383896LA.

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 Technician or Repair Facility. (See back pages for other specific entries.)
1-2-03	HOBBS	1910.7	489 SMH	<p>Completes ANNUAL INSPECTION using CONT & MODNEY Manuals, Inspection check L&T as advised, Compression check #1 $7\frac{1}{2}$ #2 $7\frac{1}{2}$ #3 $7\frac{1}{2}$ #4 $7\frac{1}{2}$ #5 $7\frac{1}{2}$ #6 $7\frac{1}{2}$ DRAIN OIL - REMOVE FILTER - INSPECT FILTER - INSTALL NEW FILTER & REFILL with ISOTO ORO Shell, Check MAX-TIME CLEAN - check plugs, CLEAN PISTON LH FWD ENGINE MAGNET PRIME & PAINT. WASH ENGINE & GEAR, GROUND RUN OPS - LEAK check all OK.</p> <p>I CERTIFY THIS <u>ENGINE</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION WO# <u>0485</u> RS# <u>BMR356 R. McJannet</u></p>
17 DEC. 2003	HOBBS	1941.7		<p>REMOVED & REPLACED STARTER DRIVE ASSEMBLY SERIAL # 309473. UNIT WAS REMANUFACTURED BY AEROTECH AS PER WORK ORDER 71032 - Brenty Cain A#P 184346207</p>

Alterations

Number of
specific entries.)

MOONEY
ADDITION
SMOH
MAXIMUM
RPM
RPM

MAXIMUM
RPM

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 Technician or Repair Facility. (See back pages for other specific entries.)
3/17/04	HOBBBS 1946			C/W Annual insp. FAW Mooney + Cont. Manuals and insp. V list. Cyl Comp. #1 70/80 #2 70/80 #3 74/80 #4 70/80 #5 70/80 #6 68/80. Drain oil, inspect filter, install New CH46108. SVC w/8pts 15w50. check Mag timing, Clean + gap spark plugs, wash cowl and engine. Run up + leak V good.
	SMOH 524.3			I CERTIFY THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION WO# <u>0644</u> RS# <u>BAVR365C</u> <u>Pat M Jr</u>
10/27/04	HOBBBS 1961.5			C/W Annual insp. FAW Mooney + Cont. manuals and FAR43D insp V list. Cyl Comp. #1 74/80 #2 55/80 #3 74/80 #4 70/80 #5 70/80 #6 64/80. C/W Service Bulletin M84-15 (Cyl. Low Limit is 42 PSI). #2 cyl leaking By Rings NOT VALVES. Recommend recheck in 10HRS. Drain oil, inspect filter, V good. —————>
	SMOH 539.8			

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 Technician or Repair Facility. (See back pages for other specific entries.)
10/27/04		CONV. →		Install new CH48108-1 filter. SVC W/8pts 15W50. Clean spark plugs, check Magn. Wash engine. Run up ops + leak ✓ good. I CERTIFY THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND IS DETERMINED TO BE IN AIRWORTHY CONDITION WO# <u>0713</u> RS# <u>BAYR365C</u>
12/18/2005	Hours	1968.6	SMITH 546.9	COMPLETED ANNUAL INSPECTION OF THIS ENGINE FOLLOWING ENGINE MANUFACTURERS GUIDELINES - CLEANED & GAPPED PLUGS - TIMED MAGS - CHECKED ALL AD'S - SEE SEPERATE AD - LISTING - RUN UP SATISFACTORY & APPROVED FOR RETURN TO SERVICE - COMPRESSIONS ①66 ②65 ③66 ④70 ⑤72 ⑥65 - WASHED DOWN ENGINE AREA (Dane Klein IA 184346207

ations
ber of
entries.)

50.
engine

ENGINE

LINES -

ED ALL

SFACTOR

MS

E AREA

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 Technician or Repair Facility. (See back pages for other specific entries.)
25-Nov 2006	1975.5	SMOK	553.8	<p>COMPLETED ANNUAL INSPECTION THIS DATE (COMP. 76-70-76-75-70-72 - CLEANED PLUGS TIMED MAGE TO ENGINE - CHECKED ALL CONTROLS WINGS & HOSES - APPROVED FOR RETURN TO SVK.</p> <p>A/C REG. # <u>231ME</u> DATE <u>11-25-2006</u> TOTAL A/C TIME _____ HRS. TACH TIME <u>1975.5</u></p> <p>I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>43</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p><u>George Klein</u> <u>IA184346207</u> SIGNATURE CERTIFICATE NO./TYPE</p>
10/1/07	1976.6	SMOK	553.9	<p>Completed Annual inspection this date (Comp. 75 68 75 68 73 64 Checked that all wds are correct - see separate listing of engine & ops Check Satisfactory for return to service</p> <p>A/C REG. # <u>231ME</u> DATE <u>10-1-07</u> TOTAL A/C TIME _____ HRS. TACH TIME _____</p> <p>I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER _____ AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p><u>George Klein</u> <u>IA184346207</u> SIGNATURE CERTIFICATE NO./TYPE</p> <p>- END -</p>

DATE 11/06 19 2008	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 Technician or Repair Facility. (See back pages for other specific entries.)
	1979.3	SMOH	556.8	Completed Annual Inspection this date Compressions ① 70 ② 69 ③ 72 ④ 72 ⑤ 76 ⑥ 75 Checked plugs & Reinstalled in present positions, Washed Down engine Checked Mag timing, Checked all controls, lubed & cleaned as required Step drilled Cock in left heat shroud, Inspected all stacks & exhaust items. Runup OK. Engine approved for Service - See Separate AD Listing Bruce Klein IA 184346207
10/24/09	1988.3	SMOH	565.8	Completed Annual Inspection this date Compressions ① 74 ② 68 ③ 70 ④ 68 ⑤ 72 ⑥ 74 Cleaned plugs & Washed Engine with Solvent, Checked all hoses, lines, fittings & cables, Inspected Stacks & Exhaust - Checked Mag timing - Run up OK. Approved for Return to Service Bruce Klein IA 184346207
10/18/2010	1988.5	SMOH	566.0	Completed Annual Inspection this date. Compressions ① 68 ② 67 ③ 75 ④ 74 ⑤ 66 ⑥ 72 Inspected all controls, removed all exhaust Shrouds, inspected all intake & exhaust pipes, Hoses & Caskets, Engine approved for return to service. Bruce Klein IA 184346207

Iterations
Number of
ic entries.)

date
① 75
engine
repaired
this.

to
washed
inspected
for

Compressions
exhaust
proved

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 Technician or Repair Facility. (See back pages for other specific entries.)
10/14/11	1993.6	SMOIH	571.3	COMPLETED INSPECTION OF THIS ENGINE THIS DATE AND FIND IT ACCEPTABLE FOR RETURNS TO SERVICE, COMPRESSIONS ① 75 ② 66 ③ 73 ④ 75 ⑤ 74 ⑥ 72, REPLACED ALL ROCKER BOX COVER GASKETS, CHECKED MAG TIMING, REMOVED ALL SHROUDS & INSPECTED EXHAUST, SOLVENT WASHED ENGINE & COWLINGS, UPDATED ADS SEE SEPARATE LISTING, B. J. Linn IA 184346207
10/20/12	1997.1	SMOIH	574.8	COMPLETED INSPECTION OF THIS ENGINE & FIND IT ACCEPTABLE FOR RETURN TO SERVICE, COMPRESSIONS ① 75 ② 67 ③ 66 ④ 72 ⑤ 77 ⑥ 68, CHECKED MAG TIMING, INTAKE & EXHAUST, UPDATED AD LISTING - SEE SEPARATE LISTING B. J. Linn IA 184346207

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 Technician or Repair Facility. (See back pages for other specific entries.)
11/16/2013	2000. ²	SMOH	577.9	COMPLETED ANNUAL INSPECTION THIS DATE & FIND IT ACCEPTABLE FOR RETURN TO SERVICE, COMPRESSIONS, ① 75 ② 68 ③ 72 ④ 72 ⑤ 76 ⑥ 70 CHECKED ALL ENGINE CONTROLS, INSPECTED EXHAUST & INTAKE, COMPILED CURRENT AD LIST, RUN UP SATISFACTORY B. Klein IA 1858102
11/7/2014	2001.8	SMOH	579.5	COMPLETED ANNUAL INSPECTION OF THIS ENGINE & FIND IT ACCEPTABLE FOR RETURN TO SERVICE, COMPRESSIONS ① 68 ② 72 ③ 66 ④ 78 ⑤ 76 ⑥ 70 COMPILED CURRENT AD LISTING, CHECKED ALL LINES, HOSES & FASTENERS. RUN UP SATISFACTORY B. Klein IA 1858102
10/19/15	2004.5	SMOH	582.2	COMPLETED INSPECTION OF THIS ENGINE & FIND IT ACCEPTABLE FOR RETURN TO SERVICE, B. Klein IA 1858102

Alterations (Number of specific entries.)	DATE 2016	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 Technician or Repair Facility. (See back pages for other specific entries.)
DATE TO 72 ④ 72 TROLS, IMPIED ORY OF BLE SIONS ECKED Run VE & 2	3/26	2005.6			REMOVED DEFECTIVE RIGHT MAG & SENT TO MAG-ER FOR 500 INSPECTION & REPAIR, SEE YELLOW TAG FOR DETAILS BK6in IA 1858102
	4/05/16	2007.3			COMPLETED ANNUAL INSPECTION OF THIS ENGINE & FIND IT ACCEPTABLE FOR RETURN TO SERVICE, ALL CYLINDERS 74 OR MORE EXCEPT # 2 ② 64. ① 75 ② 64 ③ 74 ④ 74 ⑤ 75 ⑥ 74, CHECKED MAG TIMING & OK, INSPECTED INTAKE & EXHAUST SYSTEMS, TIGHTENED ALL CLAMPS & HOSES, WASHED DOWN ENGINE & COOLINGS, COMPILED CURRENT AD LISTING FOR ENGINE RECORDS SMOH 584.9 BK6in IA 1858102

DATE

A.D.
NUMBERTOTAL
TIME IN**Airworthiness Directives**

Chronological Listing of Compliance and Method of Compliance

19 April 1995: Continental TSIO-360 GB-C-LB1 serial #309473

780907 OSMOH Bendix Impulse Coupling. SB#599B. 1x c/w.

R3

811310 OSMOH Oil Pump/Tach Shaft Torque. 1x c/w.

R1

812302 OSMOH Oil Filter Adapter Gasket. Serv Notice #10-81. c/w.

822001 OSMOH Bendix Impulse Coupling. SB#623. 1x c/w.

822703 OSMOH Roto Master Turbo Housing. SL#27 rev A. c/w.

- OSMOH Conn Rod Inspect. within limits. SB#M86-11 rev 1.

880306 OSMOH TCM Oil Filter. SB#M88-4. p/n not installed.

911903 OSMOH Champion Oil Filters. n/a manufacture date.

920409 OSMOH Rocker Shaft Hold-down. SB#M92-4 rev 1.

n/a cylinder date - not installed.

(continued next page)

CERTIFIED ENGINES UNLIMITED, INC.

OPA-LOCKA AIRPORT, FLORIDA

FAA CRS #KG4R309M

(305) 685-8331

WO #

23714

AUTH. SIG.

DATE

4/19/95
W. H. Metcalf

10

A.D.

TOTAL

Chronological Listing of Compliance and Method of Compliance

Chronological Listing of Compliance and Method of Compliance

(cont - 19 April 1995):

931002 OSMOH Missing Valve Key. TCM MSB#93-12. n/a manufacture date.

940103 OSMOH TCM/Bendix Ignition Coil. SB#637. c/w by inspection.

940609 OSMOH TCM/Bendix Capacitor. TCM CSB#641. Applicable Capacitor - not installed.

**All AD's & SB's listed were checked or complied with at overhaul. end.*

CERTIFIED ENGINES UNLIMITED, INC.
OPA-LOCKA AIRPORT, FLORIDA
FIA CRS #KG4R309M

WD # 23714 (305) 685-8331
AUTH. SIG. WILKINS DATE 4/19/95