

TELEDYNE CONTINENTAL



Gold Medallion Aircraft

ENGINE LOGBOOK
#1 5/99 → 6/15

USE ONLY FUEL CONFORMING TO ASTM D910.

USE OF AUTOMOTIVE GAS IS NOT APPROVED.

REBUILT ENGINE LOG

N57645

AIRCRAFT N NUMBER

T&I-360-LR15(1)

ENGINE MODEL NUMBER

247371-R

ENGINE SERIAL NUMBER

This engine model TS10360LB1B, Serial No. 247371-R, was rebuilt/zero timed on 05/28/99 by Teledyne Continental Motors in accordance with an FAA approved Quality Control System, using FAA approved Engineering design data and the applicable requirements of FAR Part 21 of the Federal Aviation Regulations. The approved design data for this engine incorporated the following Service Bulletins and Airworthiness Directives.

SB	AD	REMARKS	SB	AD	REMARKS
M88-4	88-03-06	REPLACED WITH NEW PARTS	CSB96-5	N/A	OIL PUMP DRIVE GEARS P/N 649506 & 649681
N/A	91-19-03	OIL FILTER CHANGE	CSB96-8	N/A	REPLACEMENT OF AIRMELT (NON-VAR) CSHAFTS
M92-4	92-04-09	VISUAL INSPECTION	MSB96-10	N/A	CRANKSHAFT ULTRASONIC INSPECTION
M92-16	N/A	CRANKSHAFT REPLACED	MSB94-8A	N/A	MAGNETO TO ENGINE TIMING
M93-6	N/A	REPLACED GEARS	CSB96-13	N/A	CONN ROD INSPECTION REPLACEMENT
MSB93-12	93-10-02	N/A SERIAL NUMBER NOT APPLICABLE	CSB9710A	97-21-02	PISTON PIN PLUG WEAR
CSB94-1	94-06-09	REPLACED CAPACITOR AS APPLICABLE	N/A	98-19-02	N/A BY PART NUMBER
N/A	94-14-12	N/A			
CSB95-1A	95-08-10	N/A SERIAL NUMBER			
CSB95-4	N/A	INTAKE VALVE GUIDE SEAL P/N 646678 INSP.			

Records reflecting this rebuilding are on file at Teledyne Continental Motors, P.O. Box 90, Mobile, Alabama, 36601.

*See Component serial Number Data
Sheet dated 03-18-99,
stamped 05-20-99
(see starter adapter 8130-3, dated 06-17-99)*

TELEDYNE CONTINENTAL MOTORS
PRODUCTION CERTIFICATE NO. 508



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ENGINE DESCRIPTION

TYPE Continental MODEL T410-360-LB1B(1) SERIAL NO. 24737-R

RATED H.P. _____ MAXIMUM H.P. _____

RATED R.P.M. _____ MAXIMUM R.P.M. _____ OIL PRESSURE _____

BORE _____ STROKE _____ DISPLACEMENT _____ CU. IN. _____

COMPRESSION RATIO _____ GEAR RATIO _____

PROPELLER _____ HUB DESIGN _____ HUB SERIAL NO. _____

BLADE DESIGN _____ BLADE SERIAL NO. _____ BLADE SERIAL NO. _____

MAXIMUM HUB H.P. _____ MAXIMUM BLADE H.P. _____

PITCH _____ DIAMETER _____ LENGTH _____

OWNERS NAME _____

ADDRESS _____ CITY _____ STATE _____

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
	DATE: 06/29/1999 TACH: 1530.5 CONTINENTAL TS10-360-LB1B (1) S/N: 24737-R T.T.: 0000.0 W/O: 6257 Installed new factory reman overhauled engine TS10-360-LB1B (1) S/N: 24737-R into Aircraft N57646 Engine came with complete exhaust system, turbo, controllers, alternator, and starter. Serviced engine with shell 50 WT mineral oil and a CH48108 oil filter. Rigged all engine controls. Set fuel and oil pressures to engine spec's. Test flew aircraft and found this engine airworthy to return to service. ----END---- JET AIR INC. JAFR110F JIM DRTERY <i>Jac Drtery</i>												
8-23-99	Hobbs		1580								Changed oil Stars Aeroshell W/UP, changed oil filter - END - <i>AP525579232</i>		
9-5-99	Hobbs		1585.8								Installed JPI EDM-700 Engine Analyzer EGT + CH Run up and checked ok. See 337 This Date <i>AP525579232</i>		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.
	Ground
BROUGHT FORWARD	
TOTAL	

E	LICENSE NUMBER

BLAKNEY AVIATION, INC. — WILEY POST AIRPORT — BETHANY, OK 73008

3-30-01 Hour meter: 2122.4 hrs. TSREM: 591.9 hrs. since 5-1999

100 hour inspection completed and maintenance performed in accordance with FAR 43 Appendix D, Mooney M20K maintenance manual, and TCM engine manual. Compression test hot: #1 - 78/80 #2 - 78/80 #3 - 74/80 #4 - 76/80 #5 - 74/80 #6 - 74/80. Changed oil and filter. Cut open old oil filter. No metal found. Installed and saftied new CH48108 oil filter. Added 8 quarts of Aeroshell 100W oil. Replaced all spark plugs with new Champion P/N RHM38S fine wire spark plugs per customers request. Cleaned and reinstalled ignition leads. Run up check found satisfactory this date. Replaced engine paper air filter P/N 125685-004 with new unit. AD 84-26-02 engine paper air filter inspection next due before hour meter: 2222.4 hrs and engine air filter replacement before hour meter: 2622.4 hrs. Enrichened idle mixture and found satisfactory this date. C/W AD96-12-07 mag impulse coupling inspection. Pulled both magnetos. Both magnetos 500 hour inspection completed, AD notes complied with, and certified by Thunderbird Accessories Inc. CRS# IG2R897K (See certification tags). Reinstalled and timed magnetos to engine using new base gaskets. Run up check found satisfactory this date. No leaks found this date. C/W AD 82-27-03 turbocharger housing and V-band clamp inspection and found housing to be cracked.

(See 2x attachments dated 3-30-01) *Larry Brown* *10/2*

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
<div style="border: 1px solid black; padding: 5px;"> <p>BLAKNEY AVIATION, INC. — WILEY POST AIRPORT — BETHANY, OK 73008</p> <p>Replaced turbocharger exhaust housing P/N 600510-04 with new unit. V-band clamp found satisfactory this date. Run up check found satisfactory, no exhaust leaks found. Washed engine and cowlings. Run up checks found all indications normal. Static RPM, idle, mixture, magneto check, and prop operation normal and smooth. No fuel or oil leaks found. See AD note list for one time and recurring AD notes through issue 01-05. "I certify this engine has been inspected in accordance with a 100 hour inspection and was determined to be in airworthy condition on this date."</p> <p>Blakney Aviation W.O. # 7014 Larry D. Brewer A&P 362587812IA <i>Larry Brewer</i> 20fz</p> </div>													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2001													
5-14-01	Hobbs	2168.4									Changed oil Aerashell 100w Inspected oil filter and Installed New CH48108. Run up OK.	<i>[Signature]</i>	ATPS85047896
6-20-01	Hobbs	2204.7									Changed oil Aerashell 100w. Inspected filter and changed CH48108 Run up OK.	<i>[Signature]</i>	ATPS85047896
8-10-01	Hobbs	2255.1									Changed oil and Filter Aerashell 100w Inspected oil filter OK Run up and checked for leaks None found	<i>[Signature]</i>	ATPS85047896
10-24-2001		2326.8									Changed oil + Filter Aerashell 100w. Run up. OK.	<i>[Signature]</i>	ATPS85047896
BROUGHT FORWARD													
TOTALS													


ENGINE LOG

DATE	R. P. M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
Date: 5/ 2/2002. Aircraft: N5764S, Type: SINGLE ENGINE, S/N: 25-0831, Hobbs: 2440.7, Total Time: 3083.8, Engine - Type: , S/N: , Time: 898.1, Prop Type: , S/N: , Time: 2428.5 - COMPRESSION CHECKED #1 75/80 #2 71/80 #3 70/80 #4 71/80 #5 70/80 #6 70/80 . - CHECKED TIMING. CLEAN AND GAP SPARK PLUGS. INSPECTED OIL FILTER, - CHANGED OIL AND FILTER AEROSHELL 100W. REPLACED PROPELLOR DEICE BRUSHES. - I CERTIFY THAT THIS POWERPLANT HAS BEEN INSPECTED IN ACCORDANCE WITH AN 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY - CONDITION. - AD'S CONFORMITY CHECKED THRU BI-WEEKLY 2002-08 - AERO CLINIC INC. LEX HINDS - P.O. BOX 1626 A&P585047896 - SEMINOLE TEXAS 79360 - (915) 758-6455													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
ADVENTURE AVIATION													
Make: Mooney			Model: 231			Serial # 25-0831							
N # 5764S			W/O # 02-1020305			Date: 10/17/2002							
Tach Time:			Acft Total Time:			TSMOH:							
Changed oil and filter. Inspected filter. Serviced with 8 qts. Aeroshell 100W and CH48108 filter. Washed engine; ground run ok.													
Dean Wiesinger			<i>Dean Wiesinger</i>			A&P #			457330414				
Las Cruces International Airport (LRU)													

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.		
<p> — Date: 8/30/2007; Aircraft: N5764S; Type: SINGLE ENGINE; S/N: 25-0831; Hobbs: 2782.8; Total Time: 3425.9; Engine - Type: TSIO-360-LB1B (1), S/N: 247371-R, Time: 1240.2; Prop - Type: 2A34C216B, S/N: 882142, Time: 1522.7 — Compression Checked #1 70/80 #2 72/80 #3 69/80 #4 68/80 #5 60/80 #6 72/80 .Replaced Exhaust Gaskets. Inspected oil filter and replaced . — Serviced with Aeroshell 100W .Checked Magneto timing. Clean and gap Spark plug"s. — I CERTIFY THAT THIS POWERPLANT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. — AD'S CONFORMITY CHECKED THRU BI-WEEKLY 2007-18 — AERO CLINIC INC. LEX HINDS — P.O.BOX 1626 A&P585047896 — SEMINOLE TEXAS 79360 — (432) 758-6455 </p>												
BROUGHT FORWARD												
TOTALS												

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.				
—	Date: 12/03/2009; Aircraft: N5764S; Type: SINGLE ENGINE; S/N: 25-0831; Hobbs: 2994.3; Total Time: 3637.4; Engine - Type: TSIO-360-LB1B (1), S/N: 247371-R, Time: 1451.7; Prop - Type: 2A34C216B, S/N: 882142, Time: 1734.2 Clean and Gap spark plugs Installed "O" soh right Magneto Serial # D091A162R Timed magneto's ran and check OK. AERO CLINIC INC. LEX HINDS P.O. BOX 1626 A&P585047896 SEMINOLE TEXAS 79360 (432) 758-6455													
	See attachment dated 10-29-09													
BROUGHT FORWARD														
TOTALS														

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
20 DEC 2013											TACH OF AIRCRAFT 57645 SHOWS 3154.6 FOR TITAF 3793.8 ENGINE 247371R HAS 1612.0 HRS SFRM. I CERTIFY THAT THIS ENGINE WAS INSPECTED IAW AN ANNUAL INSPECTION AND FOUND TO BE AIRWORTHY. COMPRESSION TESTED WITH 80 PSI REF. PRESSURE CYLS. 1-78, 2-75, 3-72, 4-73, 5-76, 6-76 SPARK PLUGS CLEANED AND RE-GAPPED TO .018" OIL CHANGED, 7 QTS SHELL 15/50. FILTER OPENED AND MINUTE QUANTITY OF FERROUS & N.F. PARTICLES FOUND. NEW FILTER FITTED. FOUND 1/8 INCH DEEP GROVE WORN INTO FUEL PUMP RETURN HOUSING REPLACED WITH SERVICEABLE HOUSING & NEW GASKET. ADJUSTED IDLE MIXTURE, RAN ENGINE, MAC CHECK OK & NO LEAKS NOTED / S. V. [Signature] A&P 1908059 I.A.		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
2014											5/N 07-00642-1		
11 JAN	TACH	3158.7									REPLACED ALT DRIVE COUPLING ASSY, P/N 635496, OVERHAULED. OPS CHECK - OK.	Shamon Hughes	3620238
14 DEC	MOBBS	3204.3	TAF	38	43.5	ENGINE	5/N	247371R	HAS	1,661.7 HRS	SFRM, FITTED TO AIRCRAFT 57645. I CERTIFY THAT THIS ENGINE WAS INSPECTED BY ME I.A.W. AN ANNUAL INSPECTION AND WAS FOUND IN AN AIRWORTHY CONDITION. COMPRESSION TEST SHOWS #1-67/80, #2 74/80, #3-72/80, #4 68/80, #5 71/80, #6 72/80. OIL CHANGED, 7 QTS AEROSHELL 15/50. FILTER OPENED, SMALL QTY OF NON-FERROUS FLAKES FOUND. NEW CHAMPION CH4808 FILTER FITTED. SPARK PLUGS CLEANED, GAPPED .018". AD 96-12-07 DUE @ 1952 HRS (L), 1976 HRS (R). ENGINE RUN UP, NO LEAKS RECOMMENDED OIL ANALYSIS & FILTER RE-CHECK WITHIN 20 HRS. TIME IN SERVICE.	S. V. [Signature]	AAP 1906059 I.A.
BROUGHT FORWARD													
TOTALS													

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DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
18 JUN 2015													
	A/C	HOBBS	32	4.6	AC II	3,883.5			ENGINE	1,701.7	SFRM		
I CERTIFY THAT THIS ENGINE WAS INSPECTED I.A.W. AN ANNUAL INSPECTION AND WAS FOUND IN AN AIRWORTHY CONDITION, COMPRESSION TEST VS. 80 PSI REF. SHOWS #1-78, #2-70, #3-68, #4-72, #5-70, #6-68. SPARK PLUGS CLEANED GAP CHECKED @ .010", OIL CHANGED, FILTER OPENED MINUTE PARTICLES ONLY, 7 QTS AEROSHELL 15/50 ADDED, RUN UP, NO LEAKS, MAGNETO TIMING CHECKED, AD 96-12-07 DUE FOR LEFT MAG @ 1952 HRS SMOH, RT MAG DUE 1996.0 HRS SMOH. AD 82-27-03 C/W BY VISUAL INSPECTION OF TURBO HOUSING & V-BAND CLAMP.													
												S. Krueger ADP 1900059 I.A.	
BROUGHT FORWARD													
TOTALS													