

 **TELEDYNE CONTINENTAL**



# **Gold Medalion Aircraft Engine**

**USE ONLY**

**FUEL**

**CONFORMING  
TO ASTM D910.**

**USE OF AUTOMOTIVE  
GAS IS NOT  
APPROVED.**

# **NEW#1 ENGINE**

# **LOG**

**N43FM**

**AIRCRAFT N NUMBER**

**IO-550-E(6)**

**ENGINE MODEL NUMBER**

**674 (BULLMOCK) 303**

**ENGINE SERIAL NUMBER**



## **Gold Medallion® Warranty Protection**

All Teledyne Continental Motors engines delivered as original equipment after January 1, 1980 are protected by TCM's exclusive Gold Medallion Warranty. The Warranty covers parts, shipping allowance and labor during the first six months or 240 hours of operation. After six months or 240 hours of operation, these cost are prorated. Contact your TCM Distributor for all the facts or write Teledyne Continental Motors for a free brochure.

## **Service Information**

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call (334) 438-3411, publications department, for information.

 **TELEDYNE CONTINENTAL MOTORS**  
Aircraft Products

P. O. Box 90 • Mobile, Alabama 36601

This engine model IO550G66B, Serial No. 679503,  
was manufactured on 11-07-82 by Teledyne Continental  
Motors in accordance with approved design data and the applicable  
requirements of Part 21 of the Federal Aviation Regulations. The  
approved design data for this engine incorporates all changes required by  
applicable Airworthiness Directives and Teledyne Continental Motors  
Service Bulletins.

TELEDYNE CONTINENTAL MOTORS



 **TELEDYNE CONTINENTAL MOTORS**  
Aircraft Products

## ENGINE DESCRIPTION

TYPE \_\_\_\_\_

MODEL \_\_\_\_\_

SERIAL NO. \_\_\_\_\_

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

[illegible]

# ENGINE LOG

[illegible]



## ENGINE LOG


DATE	R.P.M.			TIME ON GROUND	TIME IN AIR	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air							
BROUGHT FORWARD									
TOTAL\$									

MODEL M20R  
S/N 29-0139  
REG# N43FM  
ENG IO550G6B  
S/N 679303

CUTTER AVIATION DEER VALLEY INC.  
530 WEST DEER VALLEY ROAD  
PHOENIX ARIZONA 85027  
FAA APPROVED REPAIR STATION  
W45R0450

Hour meter 135  
Total Time 135

Complied with annual inspection and lubrication in accordance with Mooney Aircraft checklist.  
Changed oil and filter serviced with aeroshell 15W-50 cut and inspected filter took oil sample.  
Cleaned gapped and rotated spark plugs. Performed compression test 1-65 2-70 3-70 4-73 5-72  
6-70. Cleaned fuel injectors. AD's checked through bi-weekly dated 2/22/99. I certify this engine has been inspected in accordance with a 100hr inspection and was found to be airworthy at this time.

DATE 3/10/99 SIGNATURE  W45R0450

Pertinent details of work accomplished on this aircraft are on file at this agency under work order # Z0570

\*\*\*\*\*END\*\*\*\*\*

# ENGINE LOG

[illegible]



# ENGINE LOG

[illegible]

# 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.			
<p><i>Date: 15 JUN 2003 16 Jms: 246.6</i></p> <p><i>I certify that this ENGINE has</i></p> <p><i>been inspected in accordance</i></p> <p><i>with A37000142 inspection and</i></p> <p><i>was determined to be in</i></p> <p><i>airworthy condition</i></p> <p><i>A370563838969.A.,</i></p> <p><i>Michael G. Gillow</i></p> <p><i>DEAN (2011 A37) CHANGED OIL FILTER</i></p> <p><i>SERVICED ENGINE WITH A370563838969.A.,</i></p> <p><i>END</i></p> <p><i>Michael G. Gillow</i></p>													
BROUGHT FORWARD													
TOTALS													



## ENGINE LOG

[illegible]

[illegible]

10/15/02 N43FM TOTAL TIME: 299.8 (ENGINE LOGBOOK ENTRY) WO# 35260

CRS# MF4R360M  
POMPAÑO AIR CENTER  
POMPAÑO BEACH, FL.

[illegible]



## 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.			
											3-29-04 N43FM Mooney M20R sn 29-0139 Hobbs 329.3 TSN 329.3		
											Performed 100 hour inspection and service in accordance with Mooney M20R service manual. Compression over 80: 1) 62, 2) 62, 3) 68, 4) 64, 5) 54, 6) 60. Cleaned and tested sparkplugs. Cleaned fuel injectors. Drained oil and removed filter. Filter inspection passed. Installed 8 qts. Aeroshell 50W100 and CH48109 oil filter. (19)		
											Replaced 1 lower cowling heat shield. (25) Replaced heat shield material on alternate air duct. (20) Clean rust and repainted engine mount as possible. (21) Replaced upper engine mount hardware. (22) Replaced lt lower engine mount bolt at nose truss. (23) Replaced all valve cover gaskets with new. (24) Replaced induction gaskets with new. (26) Replaced heater inlet duct with new. (28) Replaced 1 header to tailpipe springs setup. (66) Reset idle to spec. I certify that this Engine has been inspected in accordance with a 100 hour inspection and is determined to be in airworthy condition.		
BROUGHT FORWARD											Joseph Narvaez		
TOTALS											128569787 AP for Mod Works, Inc. Punta Gorda, FL		

# 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: 6/02/2004 AC S/N: 29-0139

REG #: N43FM

PAGE: 1 of 1

HOBBS : 361.6  
W/O :

TTAF : 3646

LANDINGS :

Drained engine oil and removed filter. Filter inspection normal.  
Installed new oil filter and serviced with 8 qts 15/50.

I certify that this aircraft and or appliance identified above was repaired and inspected in accordance with current FAA Regulations and is approved for return to service.

Authorized Signature

GEORGE BARNETT A&P 184520956

MIDANTIC JET CHARTERS INC

BROUGHT FORWARD

TOTALS



## ENGINE LOG

[illegible]

# ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENCE NUMBER																		
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.																					
<b>DAYTONA AIRCRAFT SERVICES</b>																															
<div style="display: flex; justify-content: space-between;"> <span>DATE April 13, 2005</span> <span>HOBBBS 464.1</span> <span>TT: 464.1</span> </div>																															
<p>I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. The following work was performed: Changed oil and filter, 8 Qts Aeroshell 50W. CW 500 Hr inspection on Magnetos, Installed new points and timed CW AD 96-12-07 on impulse couplings. CW AD 84-26-02, installed new induction filter. Both AD's next due in 500 Hrs. All work performed was in accordance with current regulations of the FAA and is approved for return to service. Details are on file at this Repair Station under WOH# 1849</p>																															
<div style="display: flex; justify-content: space-between;"> <div> <p><i>[Signature]</i></p> <p><b>Jim Teski DBAS</b> Daytona Aircraft Services Inc. CRS DYTR262K</p> </div> <div> <p><b>COMPRESSION RESULTS</b></p> <table border="1"> <thead> <tr> <th>#1</th> <th>#2</th> <th>#3</th> <th>#4</th> <th>#5</th> <th>#6</th> </tr> </thead> <tbody> <tr> <td>122</td> <td>60</td> <td>63</td> <td>62</td> <td>65</td> <td>64</td> </tr> <tr> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> <td>80</td> </tr> </tbody> </table> </div> </div>														#1	#2	#3	#4	#5	#6	122	60	63	62	65	64	80	80	80	80	80	80
#1	#2	#3	#4	#5	#6																										
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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.			
5-20	493.5		Changed oil	1 Hr.							Service engine w/ 89TS		
AS	W10050		oil + Replaced oil filter								Dynalene w/ 1985		
6-1-05	519.7		Changed oil + filter								Service engine w/ 89TS		
AS	W10050		oil + new filter								Dynalene		
7-8-105	<del>507.7</del>		Changed oil	1 Hr.							Service engine w/ 89TS		
	559.1		oil + filter								Adjusted engine w/ 89TS		
			Adjusted prop governor								Dynalene w/ 3045		
BROUGHT FORWARD													
TOTALS													





# ENGINE LOG

DATE	R.P.M.	TIME ON	TIME IN	TOTAL TIME	REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	GROUND	AIR				
	<b><i>Air Mods and Repair, Inc.</i></b> <b><i>Trenton-Robbinsville Airport (N87)</i></b> <b><i>Factory Authorized Mooney Service Center</i></b>						
		N43FM	DATE 6-19-06	Tach: 605.00			
		<ul style="list-style-type: none"> <li>• Installed M-20 air/oil separator model 300-B as per M-20 installation instructions.</li> <li>• Repaired eng baffle seal at top center as necessary.</li> </ul>					
	I certify that this aircraft is airworthy with respect to the work that was performed.						
	Stephen Russell <i>Stephen Russell</i>						
	AP#2824298						
BROUGHT FORWARD							
TOTALS							

# ENGINE LOG

DATE

*Air Mods and Repair, Inc.*  
*Trenton-Robbinsville Airport (N87)*

*Factory Authorized Mooney Service Center*

N43FM 8-9-06 Hobbs: 631.7

- Changed oil and filter. Inspected element for signs of abnormal contamination; none noted. Serviced with *Aeroshell* 15w-50. Ran up and leak/ops. checked within normal parameters.
- Treated corrosion and painted engine mount.
- R&R RH front baffling to access alternator.
- R&R alternator due to drive seal leak. Replaced bearing, seal and drive with new.
- Replaced all rocker box cover gaskets with new.
- Fabricated and installed new forward LH intake shroud clamp.
- Replaced P.T.T. switch with new unit.

I certify that this aircraft is airworthy with respect to the work that was performed.

Nicholas Bokas  
 A&P 3160392



REPAIRS - ADJUSTMENTS

SIGNATURE

LICENSE NUMBER

BROUGHT FORWARD

TOTALS



## ENGINE LOG

[illegible]



# ENGINE LOG

DATE

DAYTONA AIRCRAFT SERVICES

DATE: 11/17/2006

Hobbs: 649.1

Removed alternator part number 649304 serial number A137563 and installed serial number G110512 same part number. Aircraft test run on ground and charging system found to be functioning normal. All work was performed in accordance with current regulations of the FAA and approved for return to service Details on file at this Repair Station under WO# 4571

Daytona Aircraft Services CRS DYTR262K

Daytona Aircraft Services, Inc.

IRS - ADJUSTMENTS

SIGNATURE

LICENS  
NUMBER

DAYTONA AIRCRAFT SERVICES

DATE: 12/6/2006

HOBBS: 655.0

Changed oil and filter, 8 Ols Aeroshell 50W, new CH48109 filter. Ran engine no leaks noted. All work was performed in accordance with current regulations of the FAA and is approved for return to service Details on file at this Repair Station under WO# 4654

BROU

Daytona Aircraft Services Inc. CRS DYTR262K

Daytona Aircraft Services, Inc.



1. Approving National Aviation  
Authority/Country:  
FAA/UNITED STATES

2.

# AUTHORIZED RELEASE CERTIFICATE

3. Form Tracking Number:  
G110512

4. Organization Name and Address:

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

6. Item: 7. Description: 8. Part Number: 9. Eligibility: \* 10. Quantity: 11. Serial/Batch Number: 12. Status/Work:  
1 ALTERNATOR 649304 MOD/NO N/A 1 G110512 OVERHAUL

13. Remarks: COPY OF WORK ORDER AVAILABLE ON REQUEST FROM KELLY AEROSPACE POWER SYSTEMS  
CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT IN ACCORDANCE  
WITH EASA PART 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS  
CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER  
EASA.145.4418 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER UT2R226L. APPROVED FOR EXPORT  
THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES IDENTIFIED AS MOD/NO AND ORIG. MFG  
COMPLIES WITH PPS-9001 LATEST REVISION  
NOTE: THE FAA-PMA SHOWN ON THE DATA PLATE ONLY REPRESENTS FAA APPROVAL OF THE REPLACEMENT DATA PLATE

14. Certifies the items identified above were manufactured in conformity to: 19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13

- ☐ Approved design data and are in a condition for safe operation.  
☐ Non-approved design data specified in Block 13

Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

15. Authorized Signature: 16. Approval/Authorization No.: 20. Authorized Signature: 21. Approval/Certificate No:

17. Name (Typed or Printed): 18. Date (m/d/y): 22. Name (Typed or Printed): 23. Date (m/d/y):

Stacy Tolliver  
NOV 10 2006

## 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/assembly.

Where the user/installer performs work 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 ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01)

\*Installer must cross-check eligibility with applicable technical data.

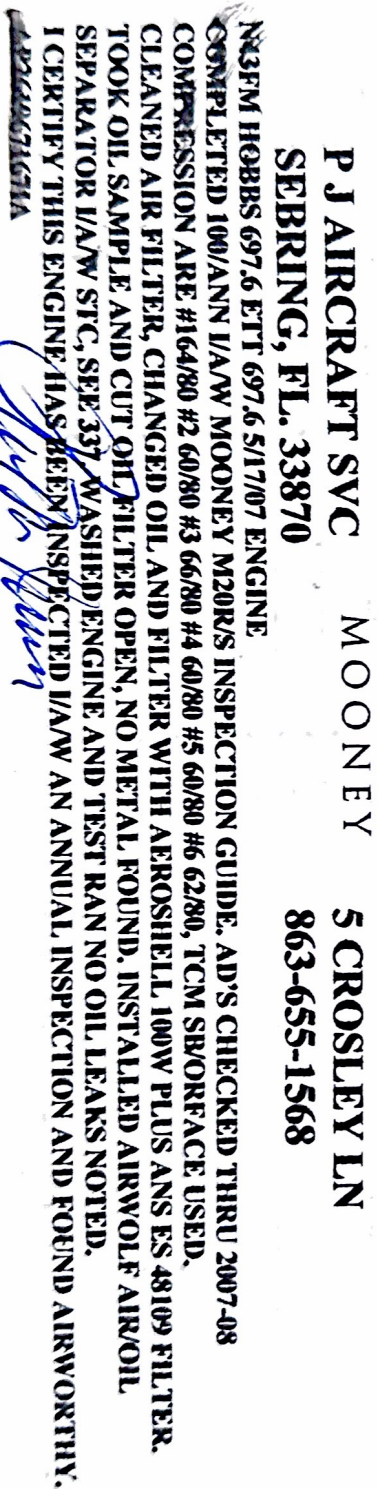
NSN: 0052-00-012-9005

ESICODE: 02503



STERN-TAG

Steph Dunning





*Jeffrey M. Williamson*

BROU

# ENGINE LOG

07 ENGINE MODEL

ENGINE S/N

REG NO. N43FM

WORK ORDER

885-09-2007



**Don Maxwell Aviation Services, Inc.**

390 Central Road - East Texas Regional Airport

Longview, Tx 75603

Phone 903-643-9902

DATE: 10/26/2007

AC TSN 767 1

ENG TT

HOBS: 767 1

## Engine Entries

(1) Removed all 6 cylinders for top overhaul by Gibson Aviation. Cylinders bored to +10. New cylinders, rings, gaskets, rockers rebushed. New pins and rocker pins... (2) Installed O/H cylinders from Gibson... (6) Troubleshoot engine for high oil temp. Check panel oil temp & found defective. Replaced with loaner gauge & found oil temp was high 225% std day. Replaced vernatherm valve & dropped temps 20%

Don Maxwell A&P 1784050

DATE: 10/26/2007

SIGNED:

*Dr P Myself*

Work Order: 885-09-2007

Printed by EBis 3 (datcomedia.com)

SIGNATURE

LICENSE  
NUMBER

BROUGHT FORWARD

TOTALS



## LINE LOG

[illegible]

John Quincy Adams

[illegible]

John D. Wilson

## ENGINE LOG

[illegible]



# 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.			

Specialty Aircraft Leasing INC  
1789 Doolittle ct Port Orange FL 32128  
386-314-4455

Date: 9/1/09

Tach: 885.0

ENGINE TSNEW: 885.0

I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and was found to be in an AIR WORTHY condition. Removed all spark plugs cleaned gapped and rotated, reinstalled. Drained oil and changed filter, cut and inspected oil filter, no metal found, checked mag timing, cleaned fuel injectors, installed new orings on reinstallation, serviced engine with 8 qts ASI100W and new filter. Performed ground run and set idle speed and mixture. AD's Checked thru this date. All work was performed according to current FAR's and is approved for return to service.

Compressions 1) 74 2) 74 3) 71 4) 71 5) 75 6) 76  
METERED CRUISE TEST 48 psi

BROUGHT FORWARD

TOTALS

William O'Brien 32642521A

## ENGINE LOG

[illegible]