Engine Return Department 2039 Broad Street Mobile, AL 36615

ENGINE MODEL TS10-550-G(1)
ENGINE SERIAL NUMBER 803758
AIRCRAFT MODEL M20TN
AIRCRAFT SERIAL NUMBER 31-0111
AIRCRAFT REGISTRATION NUMBER N99%2

USE ONLY FUEL CONFORMING TO ASTM D910 USE OF AUTOMOTIVE GAS IS NOT APPROVED.



Teledyne Continental Motors, Inc.

A Teledyne Technologies Company

Printed: 06/18/2008

This engine model TSI0550G1, Serial No. 803758 was manufactured on 06/17/2008 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.

TELEDYNE CONTINENTAL MOTORS

A TELEDYNE TECHNOLOGIES COMPANY PRODUCTION CERTIFICATE NO. 508

Hrs.	Min.	Hrs.	Min.	Modifications and Service Bulletins	
				Commence of the Commence of th	DATE 11/13/2008 A/C TSN 4
				Mooney Airplane Company, Inc.	ENG TT 4: TACH 4
		ENGINE MO	1	CRS# MPYR450A	TACH 4
		ENGINE S/N	IIINI	165 Al Mooney Road To	
		WORK ORD	ER	Phone: 830-792-2924	
		Engine !	Entries	ine Driven Fuel Pump pn 649368-44A15 with new sn	B08KA081. Performed engine setup
		= (11) Rep	laced Eng	ine Driven Fuel Pump pn 649368-44A 13 Will 118 11	
		mar TCM	511) 97-0		in a seemt rules of the
		The aircra	ft or compo	nents identified above on N111NT was repaired and inspected ulations and was found Arworthy for return to service. Pertine this 3 Work Order No. 1800-10-2008.	ent details of the repair are on file at this
		_ Federal A	viation Regi	ulations and was found sold-10-2005. bis 3 Work Order No. 1830-10-2005.	
		repair star	ion dider c	11) 11/h 12 W/	Work Order: 1830-10-200
		DATE: 11	/13/2008	SIGNED:	Printed by EBis 3 (datcomedia.con
				Brian Kendrick Certified Repair Station No. CRS# MPYR456X	
1 may 1 2 1 2 1		No.		Germica response	
					DATE: 1/26/2009 A/C TSN: 4.1
ATTENNE AND A STATE OF		ENGINE MO	3	Mooney Airplane Company, Inc.	ENG TT: 4.1
		ENGINE S/N	: 803758	Repair Station No. CRS# MPYR456X 165 Al Mooney Road North	TACH: 4.1
	4	WORK ORD 1878-12-200	ER:	Kerrville, TX 78028 Phone: 830-792-2924	
		Engine E		SB M20-308A by installation of heater retrofit pn 9401	71-9503. Revised AFM to Revision A
20 20 20 40		- 12-5-20	008. This r	etrofit upgrades the 1510-550-61 engine to a 1515	
		The aircra	ft or compo	nents identified above on N9988Z was repaired and inspected	d for return to service. Pertinent details of
				nents identified above on N99882 was repaired and inspected ulations and with respect to the work accomplished is approved at this repair station under Ebis 3 Work Order No. 1878-12-200	
		Tile repair	are on me e	KOLA BUILD	
		DATE: 1/2	6/2009	SIGNED:))////	Work Order: 1878-12-200
				Brian Kendrick Certified Repair Station No. CRS# MPYR456X	Printed by EBis 3 (datcomedia.com
ENGINE MODE TSIO-550-G(1)				Lake Aero Styling & Repair Repair Station No. NT3R722L	DATE: 2/20/2009 A/C TISN:
ENGINE S/N: 8		02		900 F Sky Park Drive	ENG TT: HOBBS: 23
WORK ORDER 1763-12-2008				Lakeport, CA 95453 USA Phone: 707-263-0412	
1703-12-2006					
	ines				
Engine En				A PAIN - 20/FO T - MONTH - ACUMAND A CHI-	
		eserviced en	gine with 8 c	ats Phillips 20/50 Type M oil and CH48109-1 filter. Leak check no	ormal - /
	l and filter, r	reserviced en	gine with 8 c	ats Phillips 20/50 Type M oil and CH48109-1 filter. Leak check no	ormal.
(2) Changed oil Maintenance Ri The aircraft ani	l and filter, release	nent(s) on N1	11NT was re	enaired and inspected in accordance with current EADs rules of the	the Endered Aucken Deputations and
(2) Changed oil Maintenance Re The aircraft an was approved f	l and filter, r elease d/or compor for return to	nent(s) on N1	11NT was re	1 10 500	the Endered Aucken Deputations and
(2) Changed oil Maintenance Ro The aircraft an	l and filter, r elease d/or compor for return to	nent(s) on N1 service. Per	11NT was re	enaired and inspected in accordance with current EADs rules of the	the Endered Aucken Deputations and
(2) Changed oil Maintenance Re The aircraft an was approved f	l and filter, r elease d/or compor for return to	nent(s) on N1 service. Per	11NT was re tinent details	epaired and inspected in accordance with current FARs rules of a of the repair are on file at this repair station under Work Order to	the Federal Aviation Regulations and No. 1763-12-2008, Dated 2/20/2009
(2) Changed oil Maintenance Ri The aircraft an was approved f DATE: 2/20/	l and filter, r elease d/or compor for return to	nent(s) on N1 service. Per	11NT was re tinent details	epaired and inspected in accordance with current FARs rules of a of the repair are on file at this repair station under Work Order to	the Federal Aviation Regulations and No 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008
(2) Changed oil Maintenance Ri The aircraft an was approved f DATE: 2/20/	l and filter, r elease d/or compor for return to	nent(s) on N1 service. Per	11NT was retinent details	epaired and inspected in accordance with current FARs rules of a of the repair are on file at this repair station under Work Order to	the Federal Aviation Regulations and No. 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008 rinted by EBis 3 (datcomedia.com) DATE: 5/8/2009
(2) Changed oil Maintenance Ri The aircraft an was approved if DATE: 2/20/ ENGINE MODEL: TSIO-550-G(1)(3) ENGINE S/N: 803758	elease d/or compor for return to 2009	nent(s) on N1 service Peri	11NT was returned details	epaired and inspected in accordance with current FARs rules of of the repair are on file at this repair station under Work Order N	the Federal Awation Regulations and No. 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008 rinted by EBis 3 (datcomedia.com) DATE: 5/8/2009 A/C TSN: 52
(2) Changed oil Maintenance Ri The aircraft an was approved f DATE: 2/20/. ENGINE MODEL: TSIO-550-G(1)(3) ENGINE S/N: 803758 REG. NO: N9588Z WORK ORDER:	elease d/or compor for return to 2009 Doi 390 Long	nent(s) on N1 service Peri	11NT was retinent details SIGNED:	epaired and inspected in accordance with current FARs rules of of the repair are on file at this repair station under Work Order N	the Federal Aviation Regulations and No. 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008 rinted by EBis 3 (datcomedia.com) DATE: 5/8/2009 A/C TSN: 52 ENG TT: 52 TSMOH: 52
(2) Changed oil Maintenance Ri The aircraft an was approved to DATE: 2/20/ ENGINE MODEL: TSIO-550-G(1)(3) ENGINE S/N: 803758 REG. NO: N9988Z	elease d/or compor for return to 2009 Doi 390 Long	nent(s) on N1 service. Per	11NT was retinent details SIGNED:	epaired and inspected in accordance with current FARs rules of of the repair are on file at this repair station under Work Order N	the Federal Aviation Regulations and No. 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008 rinted by EBis 3 (datcomedia.com) DATE: 5/8/2009 A/C TSN: 52 ENG TT: 52
(2) Changed oil Maintenance Ri The aircraft an was approved it DATE: 2/20/. ENGINE MODEL: TSIO-550-G(1)(3) ENGINE SNI- 803758 REG. NO: N9988Z WORK ORDER: 1198-05-2009 Engine Entries	elease d/or compor for return to 2009 Doi 390 Long Phot	n Maxwe Central Roacy yiew, Tx 756 903-643-	11NT was retirent details SIGNED:	epaired and inspected in accordance with current FARs rules of of the repair are on file at this repair station under Work Order N	the Federal Aviation Regulations and No. 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008 rinted by EBis 3 (datcomedia.com) DATE: 5/8/2009 A/C TSN: 52 ENG TT: 52 TSMOH: 52
(2) Changed oil Maintenance Ri The aircraft an was approved if DATE: 2/20// ENGINE MODEL: TSIO-550-G(1)(3) ENGINE SN: 803758 REG. NO: N9988Z WORK ORDER: 1198-05-2009 Engine Entries (1) Changed oil with	elease d/or comportor return to 2009 Doi 390 Long Phoi	n Maxwe Central Roacy yiew, Tx 756 903-643-	11NT was retirent details SIGNED:	epaired and inspected in accordance with current FARs rules of of the repair are on file at this repair station under Work Order N	the Federal Aviation Regulations and No. 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008 rinted by EBis 3 (datcomedia.com) DATE: 5/8/2009 A/C TSN: 52 ENG TT: 52 TSMOH: 52
(2) Changed oil Maintenance Ri The aircraft an was approved it DATE: 2/20/. ENGINE MODEL: TSIO-550-G(1)(3) ENGINE SNI- 803758 REG. NO: N9988Z WORK ORDER: 1198-05-2009 Engine Entries	elease d/or comportor return to 2009 Doi 390 Long Phoi	n Maxwe Central Roacy yiew, Tx 756 903-643-	11NT was retirent details SIGNED:	epaired and inspected in accordance with current FARs rules of of the repair are on file at this repair station under Work Order N	the Federal Aviation Regulations and No. 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008 rinted by EBis 3 (datcomedia.com) DATE: 5/8/2009 A/C TSN: 52 ENG TT: 52 TSMOH: 52
(2) Changed oil Maintenance Ri The aircraft an was approved if DATE: 2/20// ENGINE MODEL: TSIO-550-G(1)(3) ENGINE SN: 803758 REG. NO: N9988Z WORK ORDER: 1198-05-2009 Engine Entries (1) Changed oil with	elease d/or comportor return to 2009 Doi 390 Long Phoi	n Maxwe Central Roacy yiew, Tx 756 903-643-	11NT was retirent details SIGNED: III Aviation 1003 99002	epaired and inspected in accordance with current FARs rules of of the repair are on file at this repair station under Work Order N	the Federal Aviation Regulations and No. 1763-12-2008, Dated 2/20/2009 Work Order: 1763-12-2008 rinted by EBis 3 (datcomedia.com) DATE: 5/8/2009 A/C TSN: 52 ENG TT: 52 TSMOH: 52 TACH: 52
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ENGINE M	ODEL		
TSIO-550-C ENGINE S/I	**	Mooney Airplan	
		Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X 165 Al Mooney Road Inc.	
WORK ORD 2001-07-200)FR	165 Al Mooney Park MPYR456X	DATE: 7/16/2009
		Kerrville, TX 78028 Phone: 830-792-2911	A/C TSN. 82.8 ENG TT: 82.8
Engine E	ntries		
(1) Setup	engine IAW Mooney S	Specs (5) D:	
- quarts Ae	rosnell 15W50 Oil and	new CH48109 1 ail 5th	
The aircraft	or components identificat	Specs(5) Drained oil and removed filter. Filter inspecting new CH48109-1 oil filter.next oil change due at 133.0	Clion passed. Installed 8
the renais	ation Regulations and with	above on N9988Z was repaired and inspected in accordance on under Ebis 3 Work Order Nov 2001-07, 2000 on under Ebis 3 Work Order Nov 2001-07, 2000	Officials
the repair ar	e on file at this repair stati	on under Ebis 3 Work Octamplished is approved for return to	with current rules of the
DATE: 7/16/2	2000	77.2009.	Prvice. Pertinent details of
	SIGNE	ED Lab S	
	Ron C	ortez	Work Order: 2001-07-2009
	Certifie	ed Repair Station No. CRS# MPYR456X Printed by	V FRig 2 (4)
		1 1K436X	y EBis 3 (datcomedia.com)
	TSIO-550-G3	-A Mooney	1998 Children Committee
	ENGINE S/N: 803758 REG. NO: N9988Z	Mooney Airplane Company, Inc	
	WORK ORDER	165 Al Mooney Panel MPYR456X	DATE: 10/9/200
	2047-10-2009	Kerrville, TX 78028 Phone: 830-792-2911	A/C TSN: 112 ENG TT: 112.
	Engine Entries		TACH: 112.
	(2) Porfes	0 hr inspection and service in accordance with Moon er 80: 1) 68, 2) 64, 3) 67, 4) 58, 5) 68, 6) 67 Master (lled all sparkplugs, Cleanet	
	Compressions over	Ohr inspection and service in accordance with Moon er 80: 1) 68, 2) 64, 3) 67, 4) 58, 5) 68, 6) 67 Master (illed all sparkplugs. Cleaned, inspected and reinstalle Cleaned, inspected and RECHARGED Challes	ou Moore
	tested and reinstal	er 80: 1) 68, 2) 64, 3) 67, 4) 58, 5) 68, 6) 67 Master (filed all sparkplugs. Cleaned, inspected and reinstalled cleaned, inspected and RECHARGED Challenger In moved filter. Filter inspection passed leavest	Orifice real Service manual.
	- Channed oil and rer	noved filter. Filter inspection	duction Air Filter - due @ 240 magneto
The second second			
	failed (41) Poplar	r(20) CW Mooney SB M20-309 inspection passed. Installed 8 qua	arts Aeroshell 15W50 oil and
	failed(41) Replace	Deaned, inspected and RECHARGED Challenger In moved filter. Filter inspection passed. Installed 8 quare. (20) CW Mooney SB M20-309 inspection of exhaused RH turbo transition pn 654327 with new (43) Research	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition
	failed(41) Replace	r(20) CW Mooney SB M20-309 inspection of exhaused RH turbo transition pn 654327 with new(47) Rep	urts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition
	failed(41) Replace	r(20) CW Mooney SB M20-309 inspection of exhaused RH turbo transition pn 654327 with new(47) Rep	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with
	failed(41) Replace	r(20) CW Mooney SB M20-309 inspection of exhaused RH turbo transition pn 654327 with new(47) Rep	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with
	failed(41) Replace	r(20) CW Mooney SB M20-309 inspection of exhaused RH turbo transition pn 654327 with new(47) Rep	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with
	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009.	e installed on N9988Z has been inspected in accordance with items. Pertinent details of the repair are on file at this repair st	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with
	failed(41) Replace	r(20) CW Mooney SB M20-309 inspection of exhaused RH turbo transition pn 654327 with new(47) Rep	arts Aeroshell 15W50 oil and new Jest transitions. RH exhaust transition placed TIT probe pn 880055-503 with the art of t
	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009.	e installed on N9988Z has been inspected in accordance with interest of the repair are on file at this repair stalled. SIGNED:	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with the art of th
	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009.	e installed on N9988Z has been inspected in accordance with interest of the repair are on file at this repair stalled. SIGNED:	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with the art of th
	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009.	r. (20) CW Mooney SB M20-309 inspection of exhaused RH turbo transition pn 654327 with new. (47) Repetition of exhause installed on N9988Z has been inspected in accordance with the repair are on file at this repair stars. SIGNED:	arts Aeroshell 15W50 oil and new Jest transitions. RH exhaust transition placed TIT probe pn 880055-503 with the art of t
	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009. DATE: 10/9/2009	e installed on N9988Z has been inspected in accordance with interest of the repair are on file at this repair stalled. SIGNED:	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with the art of th
	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009. DATE: 10/9/2009	ed RH turbo transition pn 654327 with new(47) Repetition. Pertinent details of the repair are on file at this repair st SIGNED: Brian Kendrick Certified Repair Station No. CRS# MPYR456X	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with the at 100 hour-inspection and is determined tation under EBis 3 Work Order No. Work Order: 2047-10-2009 Printed by EBis 3 (datcomedia.com)
	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009. DATE: 10/9/2009 ENGINE MODEL: TSI0-550-G3 ENGINE SIN-803758	einstalled on N9988Z has been inspected in accordance with new(47) Replication. Pertinent details of the repair are on file at this repair strain Kendrick Certified Repair Station No. CRS# MPYR456X Mooney Airplane Company, Inc.	arts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with the a 100 hour-inspection and is determined tation under EBis 3 Work Order No. Work Order: 2047-10-2009 Printed by EBis 3 (datcomedia.com)
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	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009. DATE: 10/9/2009 ENGINE MODEL: TSIO-550-G3 ENGINE S/N 803758 REG. NO: N9988Z WORK ORDER: 2051-10-2009	einstalled on N9988Z has been inspected in accordance with new(47) Repair Station No. CRS# MPYR456X Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X 165 Al Mooney Road North Kernville, TX 78028	urts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with the at 100 hour-inspection and is determined tation under EBis 3 Work Order No. Work Order: 2047-10-2009 Printed by EBis 3 (datcomedia.com) DATE: 11/12/2010 AC TSN: 233.1
	failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009. DATE: 10/9/2009 ENGINE MODEL: TSIO-550-G3 ENGINE S/N 803758 REG. NO: N9988Z WORK ORDER: 2051-10-2009	ed RH turbo transition pn 654327 with new (47) Repair Station No. CRS# MPYR456X Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X 165 Al Mooney Road North 165 Al Mooney Road North	Ac TSN: 223.1 DATE: 11/12/2010 AC TSN: 223.1 DATE: 11/12/2010 AC TSN: 223.1 ENGT: 231.1
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	Failed(41) Replace new. I certify that this Engine to be in airworthy cond 2047-10-2009. DATE: 10/9/2009 ENGINE MODEL: TSIO-550-G3 ENGINE SIN- 803758 REG. NO: N9988Z WORK ORDER: 2051-10-2009 Engine Entries (2) Performed 100 H Compressions over	Processor of the property of t	ust Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with the a 100 hour-inspection and is determined tation under EBis 3 Work Order No. Work Order: 2047-10-2009 Printed by EBis 3 (datcomedia.com) DATE: 11/12/2016 AC TSN: 223 1 ENG TT: 223.1
	ENGINE MODEL: TSIO-550-G3 ENGINE SVN 803758 REG. NO: N9988Z WORK ORDER: 2051-10-2009 Engine Entries (2) Performed 100 h Compressions over tested and reinstaller	Brian Kendrick Certified Repair Station No. CRS# MPYR456X Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X 165 Al Mooney Road North Kerrville, TX 78028 Phone: 830-792-2911 Trinspection and service in accordance with Moone 80, Master Orifice Reading 43: 1) 74, 2) 76, 3) 74, 4	ust Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with the a 100 hour-inspection and is determined lation under EBis 3 Work Order No. Work Order: 2047-10-2009 Printed by EBis 3 (datcomedia.com) DATE: 11/12/2016 A/C TSN: 223.1 ENG TT: 223.1 TACH: 223.1
	ENGINE MODEL: TSIO-550-G3 ENGINE SVN: 803758 REG. NO: N9988Z WORK ORDER: 2051-10-2009 Engine Entries (2) Performed 100 P Compressions over tested and reinstalle to engine timing. Cle	Brian Kendrick Certified Repair Station No. CRS# MPYR456X Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X 165 Al Mooney Road North Kerville, TX 78028 Phone: 830-792-2911 Prince Inspection and service in accordance with Moone 80, Master Orifice Reading 43: 1) 74, 2) 76, 3) 74, 42 and all sparkplugs. Cleaned, inspected and reinstalled and reinstalled.	ust Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with placed TIT probe pn 880055-503 with the a 100 hour-inspection and is determined lation under EBis 3 Work Order No. Work Order: 2047-10-2009 Printed by EBis 3 (datcomedia.com) DATE: 11/12/2010 AC TSN: 223.1 ENG TT: 223.1 TACH: 223.1
	ENGINE MODEL: TSIO-550-G3 ENGINE SO: NO	Brian Kendrick Certified Repair Station No. CRS# MPYR456X Mooney Airplane Company, Inc. Repair Station No. CRS# MPYR456X 165 Al Mooney Road North Kernille, TX 78028 Phone: 830-792-2911 Prinspection and service in accordance with Moone 80, Master Orifice Reading 43: 1) 74, 2) 76, 3) 74, 4 ad all sparkplugs. Cleaned, inspected and reinstalled and	parts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with placed TIT probe pn 880055-503 with the at 100 hour-inspection and is determined tation under EBis 3 Work Order No. Work Order: 2047-10-2009 Printed by EBis 3 (datcomedia.com) DATE: 11/12/2010 AC TSN: 223.1 ENG TT: 223.1 TACH: 223.1 by M20TN service manual. 4) 72, 5) 76, 6) 76. Cleaned, gapped, of all fuel injectors. Checked magneto uction Air Filter - Next service due at
	ENGINE MODEL: TSIO-550-G3 ENGINE S/N: 803758 REG. NO: N9988Z WORK ORDER: 2051-10-2009 Engine Entries (2) Performed 100 P Compressions over tested and reinstalle to engine timing. Cle 323. Performed oil and remoted oil and remoted oil and remoted in the side of the side	Prince of the company	parts Aeroshell 15W50 oil and new ust transitions. RH exhaust transition placed TIT probe pn 880055-503 with placed TIT probe pn 880055-503 with the a 100 hour-inspection and is determined tation under EBis 3 Work Order No. Work Order: 2047-10-2009 Printed by EBis 3 (datcomedia.com) DATE: 11/12/2010 AC TSN: 223.1 ENGTT: 223.1 TACH: 223.1
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BLAKNEY AVIATION, INC. — WILEY POST AIRPORT — BETHANY, OK 73008

N9988Z

1-3-2012

Engine

Mooney M20TN S/N 31-0111 Tach 306.1 Total Time 306.1 Engine TSN 306.1

Prop TSN 306.1 100 hour inspection completed and maintenance performed in accordance with FAR 43 Appendix D, referenced Mooney M20TN maintenance manual and parts catalog, and Lycoming engine manual. C/W FAR 91.417 Para (A)(2)(V) Researched and verified AD notes thru issue 12-01. Compression test hot per TCM S/B 03-3 gauge test instructions and found all cylinders acceptable at this time. Minimum acceptable is 43/80. #1 75/80#2 78/80#3 74/80#4 76/80 #5 76/80 #6

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

74/80. Changed oil and filter. Cut open oil filter. No metal found. Serviced engine with A/S 15W50 oil. Washed engine and cowling. Tightened rocker box cover screws. Visually inspected engine area. Lubed turbo waste gate. All appears satisfactory. Cleaned, gapped, and tested all spark plugs and replaced copper washers. Cleaned and inspected engine air filter. Visually inspected exhaust system, fuel & oil hoses, engine rubber mounts and firewall. All appears satisfactory at this time. See AD list for one time and recurring AD's. "I certify that this engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition at this time."

Brandon E. Blakney A&P 3228297 Blakney Aviation WO# 9554



Engine Model: TSIO-550-G

Serial Number: 803758

Time: 409.1 TTE

Work Order: 0029877

Date: 04/16/2013

This engine was disassembled and inspected for a prop strike inspection per TCM SB96-11B. Crankcase M/N: R08DA130 was fluorescent penetrant inspected and found serviceable. Crankshaft S/N: N08DA147 was visual, dimensional, magnetic particle and ultrasonic inspected per AD97-26-17, CSB96-8 and MSB96-10A. Installed S539800M30 starter adapter spring in accordance with Aircraft Specialties Inc. STC SE09846SC and Aircraft Specialties Services service bulletin No.: S-2008-01, Rev. 0, or later FAA approved revision. Starter Adapter was repaired in accordance with Continental Motors Overhaul Manual and applicable Service information. Honed cylinders and installed new ring set P/N: ST110P05, and piston pin P/N: 649703. Magneto S/N: D08EA146 & D08EA156 were 500 hr. inspected. Engine was reassembled using new rod and main bearings, new rod bolts and nuts, new crankshaft & counterweight bushings, pins, plates, and snap rings, new gaskets and seals as necessary. Engine was run in a test cell for leak and operations check. Assembled I/A/W Western Skyways, Inc. Repair Specification WS-100 "Use and Application of Hylomar Sealant" dated 11/10/2010, Continental Motors, Inc. Overhaul Manual M-18 and applicable service publications.

The engine and/or component identified above was repaired and inspected IAW current FAA Regulations and found Airworthy for return to service. Pertinent details of this repair are on file at this Repair Station under above work order.

Signed:

Nathaniel Ware CRS# WS9R575J

Beegles Quality Service Since 1946

GREELEY, CO REPAIR STATION BX4R092M (970) 353-9200

05-15-2013

Hobbs 406.00

Tach 409.10

N99887

sn 31-0111

Reinstalled Continental TSIO-550-G sn 803758 after inspection from Western Skyways, Inc. CRS # WS9R575J WO# 0029877. Torqued and saftied existing engine mounts as required. Routed and reconnected all lines, hoes, electrical, and ducting. Reinstalled existing baffles, exhaust, and misc. airframe brackets. Reinstalled McCauley governor Model # C290D8/T1 sn 071958 after overhaul from Redline Aviation CRS # R62R296Y WO# 1958. Reinstalled stand-by alternator pn BC410-1 sn 0487198K after overhaul from B&C Speciality Products, Inc. CRS # 2G9R933X WO# 101212-7198K. Replaced turbo transition pn 657687. Replaced tail pipes pn 656968 and 656967. Serviced engine with Aeroshell 100 mineral oil. Pre-oiled, test run, and checked for leaks. All systems, temperatures, pressures, and RPM's

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of
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ST ESSEN

70/80#5 70/80#6 68/80 Changed oil and filter. Cut open oil filter. No metal found. Serviced engine with A/S 15W50 oil. (Continued)

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

Washed engine and cowling. Lubed turbo waste-gate. Tightened rocker box cover screws. Visually inspected engine area. All appears satisfactory. Cleaned, gapped, and tested all new spark plugs and replaced copper washers. Cleaned and inspected induction air filter. Visually inspected exhaust system, fuel & oil hoses, engine rubber mounts and firewall. All appears satisfactory at this time. Removed fuel injectors and sonic cleaned. Reinstalled with new seals (12) P/N 630979-9, (6) P/N 633958-3, (3) P/N 633958-5, (6) P/N 640612, (6) P/N X1473. Torqued injectors, flowed lines and leak checked good at this time. Removed #6 cylinder forward engine baffle, Fabricated new out of .030 2024 T-3 aluminum and reinstalled. Replaced all spark plugs with new (12) P/N RHB32E. Replaced magneto pressurization filter (1) P/N 1396-2. Lubricated exhaust system slip joints and waste gate with mouse milk. (Continued)

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

See AD list for one time and recurring AD's. "I certify that this engine has been inspected in accordance with a 100 hour inspection and determined to be in airworthy condition at this time."

randon E Blakney A&P 3228297 Blakney Aviation WO# 9820

		_	Barrie State		78/
Brought Forward		-			75 New 525.2 Comp. CK #1 1/85
9-22-15	11	1	525.	2	#2 74/00 #3 78/80 #4 74/80 #5 78/80 #6 74/80
The state of the s	1000	Z W		2 15	2/ 21/ × Pit. Service Engine
			161	1/2 1/2	Change Oil 1716162. Constall 4
	N.X		D. 158	35.37	with 8 pts 15WSO ARROSTAGE
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	AL PIN	No.	13/2		Ceals Rubbert Wilhels, E 2000
A AS VA	N. A.			12723	AN INCULTION FILTER REMINISTER
A CONTRACTOR	1		1.44	13 3	TNSpect LYLAUST Weater 107
				4	Systems. Wash Engine 7 Couling
			and the	181	test Run Check for Cosks. Hope
		-			Noted & this time. Ap's Checked
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	E twate	g178. 140mi	100	- 44-4-1-1-1-1	2 \$15 - 14.
	C7 412	Mina-yu	1		Deta 9-22-15 total time 525.2
			, Sevi	or pane	l cartify this ENRINE has been inspected in
			- W HA		accordance with a 100 Ma. inspection and was
					determined to be impairworthy condition.
					11. 1/2 100 110/12/19
					Signature / Jun 17- Tay A&P No. 472 4 Este
	ENGINE MODE TSIO-550-G	EL:	00		ier Aircraft Service, Inc. DATE: 10/20/2016 AIC TSN: 619.1
	ENGINE S/N; 8 REG, NO: 9988	BZ	Aircraft Se		W 23rd Avenue Hanger 14 ENG TT: 619.1 auderdale, FL 3309 TACH: 619.1 (954) 334-2393
	7313-10-2016			Filotie	(Bull surrane)
	(4) C/W ANI		ECTION ON T	HIS ENGINE	IAW FAR 43 APPENDIX D, USING MOONEY M20TN MM INSPECTION
	FILTER. OL	D FILTER	CUT AND CH	CKED FOR C	RVICED ENGINE WITH 8 OTS AEROSHELL 15W50 OIL AND A NEW CONTAMINATION. NONE FOUND. CLEANED, REGAPPED, AND ESSION CHECK: 68-63-64-64-69-67/80. WORK PERFORMED IAW ESSION CHECK: 68-63-64-64-69-67/80. WORK PERFORMED IAW
					LESSIN CHECKED OK. ADS CHECKED THROUGH CURRENT SY INSP. NO DEFECTS NOTED AT THIS TIME.
					ELLER HAS BEEN INSPECTED IAW AN ANNUAL INSPECTION AND DITION.
				1	DITION. Work Order: 7313-10-2016
	DATE: 10/2	20/2016		NED:	
			CR	5 9PRR402B	

	Hrs.	Min.	HIS.	Will I.	Modifications
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iviay	9, 2018	Tach	: 700.1	N99	88Z
Remi	oved co	uling -			
wash	ed engi	ne and	couling	ged oil a	and filter. Serviced with CH48109-1 and 8 Qt. Of Aeroshell 15w50,
note	at this	time	Toct ran		
for re	eturn to	servic	e for wor	k nerfo	nstalled. Cut open old oil filter to check for foreign materials, none to check for leaks, also none noted at this time. Aircraft is approved med.
				" beilo	med.
	14 225		10.1		of a
AP.D					
A&P	IA 3264	/87_	1 Uja	1	Ryan Huskey

Ought Forward

Huskey Aviation LLC
1650 F. Simmons Rd

1650 E. Simmons Rd. Edmond, OK. 73034 (405) 471-9584

February 18, 2019 Tach: 713.8

Complied with a 100 hour inspection of this engine per FAR 43 Appendix D. Compression check as follows #1)-72 #2)-70 #3)-70 #4)-74 #5)-65 #6)-75. Bore scoped cylinders and findings were normal at this time. Removed intercoolers and removed spark plugs, cleaned gapped and tested spark plugs and reinstalled with new gaskets and, reinstalled intercoolers. Checked engine to magneto timing and adjusted. Checked exhaust system for cracks, removed induction filter inspected cleaned and reinstalled. Changed oil and filter, serviced with AA48109-2 and 8 quarts of Aeroshell 15w50. Cut open old filter and checked for foreign materials, none noted at this time. Checked for new ADs through 2019-04 no new noted at this time. I certify this engine has been inspected in accordance with a 100 hour inspection and has been found in airworthy condition at this time.

A&P IA 3264787_

Ryan Huskey

Huskey Aviation LLC, 508 Airport Road Hangar 24D, Guthrie OK 73044. (405) 471-9584 June 01, 2020 Tach: 762.6

Complied with 100 hour inspection of this engine per FAR 43 Appendix D. Compression check as follows #1)- 62 #2)-72 #3)- 75 #4)-72 #5)-73 #6)-74 Checked control for freedom of movement and lubed. Removed spark plugs, cleaned, gapped, tested, and reinstalled with new gaskets. Checked magneto to engine timing. Removed fuel injectors and cleaned and reinstalled with new O-rings and gaskets. Drained oil. Removed oil filter and cut open and inspected for foreign materials, none noted at this time. Serviced engine with AA48109-2 and Aeroshell 15w50. Removed waste gate control due to oil leak and

Serviced engine with AA48109-2 and Aeroshell 15w50. Removed waste gate control due to oil leak and replaced seals and expander P/N: 476762-0000 P/N: 476884-0002 P/N: 476773-0000. Checked for new ADs through 2020-11. I certify this engine has been inspected in accordance with a 100 hour inspection and found in airworthy condition at this time.

A&P IA 3264787

Ryan Huskey

Huskey Aviation LLC, 508 Airport Road Hangar 24D, Guthrie OK 73044. (405) 471-9584 January 09, 2022 Hobbs: 793.4

Complied with 100 hour inspection of this engine per FAR 43 Appendix D. Removed cylinder assemblies and replaced with six factory new matched set P/N: 658815A3BP with new piston pins. Reconditioned rocker arms at Gibson Cylinders see invoice for more information. Removed turbos and replaced LH turbo with over hauled unit P/N: 466304-9003 (646677) S/N: KAL00487 See 8130-3 for more information. RH turbo was repaired by Main Turbo systems P/N: 646677 S/N: LCL00163 see 8130-3 for more information. All work performed using maintenance and overhaul manual M-18 and Continental maintenance manual publication M-0 change 4 July 2017 as the guide. Checked for new ADs through 2022-01. Test runs for leak checks were performed along with a two hour break in flight. I certify this engine has been inspected in accordance with a 100 hour inspection and found in airworthy condition at this time.

A&P IA 3264787

Ryan Huskey

rol	Huskey Aviation LLC, 508 Airport Road Hangar 24D, Guthrie OK 73044. Hangar 24D April 15, 2023 Hobbs: 808.2 STOH: 14.8 Complied with 100 hour inspection of this engine per FAR 43 Appendix D. Compression check as follows #1)-74 #2)-75 #3)-74 #4)-76 #5)-75 #6)-75. Drained oil and filter, cut filter and inspected for foreign materials, none noted at this time. Checked air filter and recharged. Checked ADs through 2023-08 see ad list. I certify this engine has been inspected in accordance with a 100 hour inspection and found in airworthy condition at this time. A&P IA 3264787 Ryan Huskey
	Huskey Aviation LLC, 508 Airport Road Hangar 24D, Guthrie OK 73044. Hangar 24D June 10, 2023 TT/Hobbs: 819.6 N9988Z Removed starter adapter P/N: 642087A70 S/N: 56915 and sent for overhaul at Aircraft Accessories of Oklahoma. CRS# RV3R829L see FAA for 8130-3 for more information. Reinstalled tested, all work done in accordance with M-16 change 1 and M-0 change 4. Approved for return to service for work performed. A&P IA 3264787 Ryan Huskey
	Huskey Aviation LLC, 508 Airport Road Hangar 24D, Guthrie OK 73044. Hangar 24D July 12, 2024 Hobbs: 825.0 STOH: 31.6 Complied with 100 hour inspection of this engine per FAR 43 Appendix D. Complied with service bulletin SB03-3, master orifice reading 46 lbs. Compression check as follows #1)-65 #2)-68 #3)-72 #4)-70 #5)-72 #6)-70. Cleaned gapped and tested spark plugs, reinstall with new gaskets. Drained oil and filter, cut filter and inspected for foreign materials, none noted at this time. Serviced engine with AA48109-2 and Phillips 20w50. Checked air filter and recharged. Checked ADs through 2024-13 see ad list. I certify this engine has been inspected in accordance with a 100 hour inspection and found in airworthy condition at this time. A&P IA 3264787 Ryan Huskey