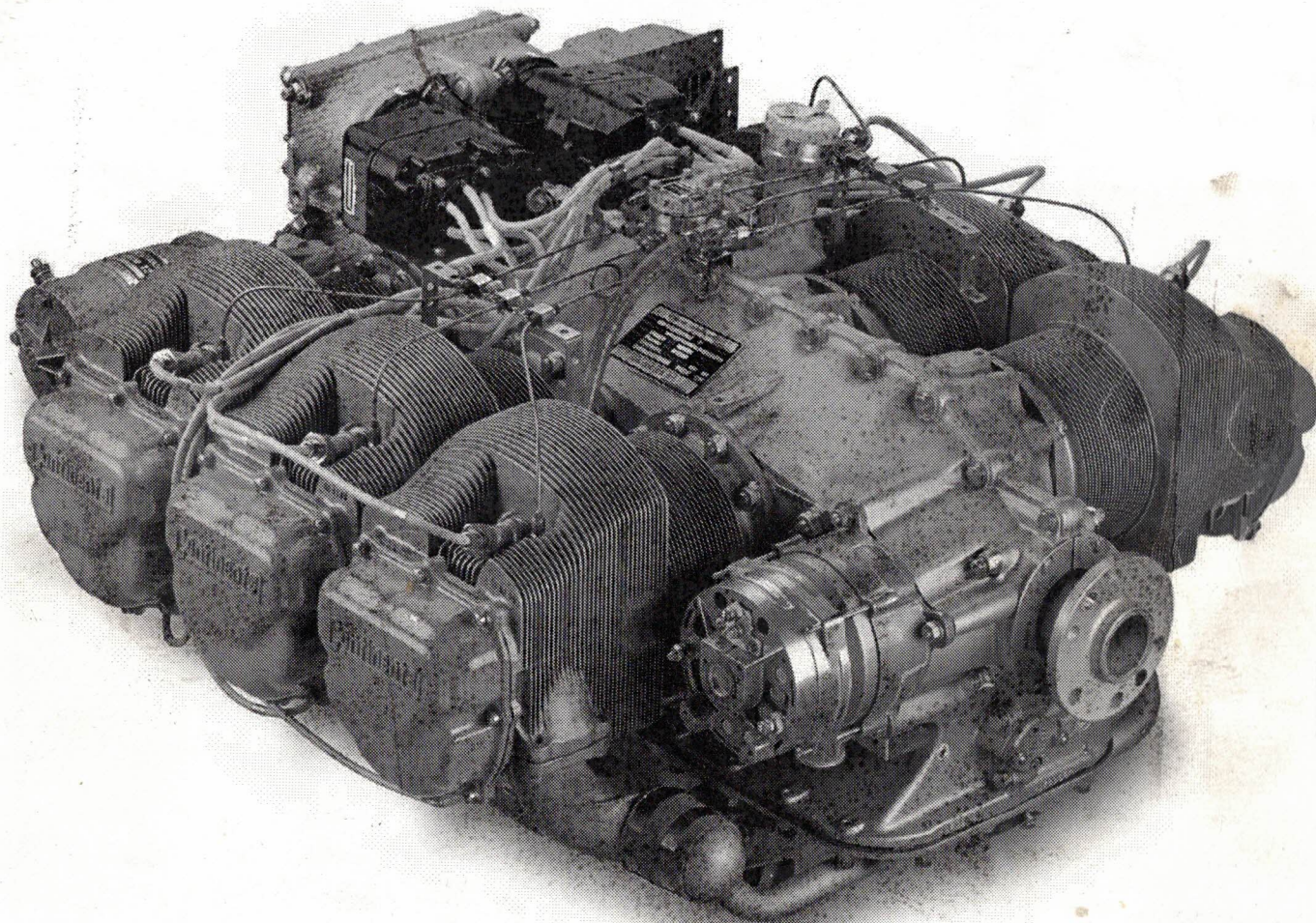


ENGINE LOG BOOK



Date	Total Time		Time Since Last Overhaul	
	Hrs.	Min.	Hrs.	Min.
Brought Forward				

Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

ENGINE MODEL: IO-550-N
ENGINE S/N: 687920
REG. NO: N142MP
WORK ORDER:
3287-06-2006

Lone Star Aero

Repair Station No. LSZR252X
477 Sandau Rd. Hangar F
San Antonio, Texas 78216 USA
Phone: 210-979-6313

DATE: 11/17/2006
A/C TSN: 2019.4
ENG TT: 63.8
HOBBS: 2019.4

Engine Entries

Completed Engine Inspection I/AW Mooney Engine Inspection Guide Checklist. Performed compression test of cylinders: 1-74/80, 2-77/80, 3-75/80, 4-75/80, 5-77/80, and 6-73/80. Changed oil and filter. Cut open old filter and examined for contaminants, checked ok. Installed CH48108-1 filter and serviced engine with 8 quarts of Aeroshell 15W-50 AD oil. Cleaned, inspected, regaped and tested spark plugs. Checked magnetos for security and timing to engine. Cleaned and inspected fuel injection fuel nozzles. Cleaned and inspected engine air filter element as per AD 84-26-02. Filter replacement due @ 2455.6 hrs.... Installed new screw 10-35937-10 in ignition harness magneto cap. Ran engine and checked for leaks and performance, checked ok. Checked AD compliance as per IApproach bi-weekly, dated 11-13-2006. No new applicable AD's found at this time.

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. "Pertinent details of the repair are on file at this repair station under the referenced Work Order number."

DATE: 11/17/2006

SIGNED:

Leo Sarinana

Certified Repair Station No. LSZR252X

Work Order: 3287-06-2006

Printed by EBIS 3 (datcomedia.com)

1. Approving National Aviation Authority/Country:		2. AUTHORIZED RELEASE CERTIFICATE		3. Form Tracking Number:	
FAA/United States		FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		QAA# 36780	
4. Organization Name and Address:		Quality Aircraft Accessories Inc. (QYIR334Y) Phone: 1-877-833-6948 5746 E. Apache, Bldg. A Tulsa, OK 74115 Fax: 918-835-6948 918-835-2804		5. Work Order/ Invoice Number: INV # 48184	
6. Item	7. Description	8. Part/Number	9. Eligibility*	10. Qty	11. Serial/ Batch Number
1	Alternator	649304R	(VARIOUS)	1	005AA159R
13. Remarks:		overhaul (EX change)			
See Attached Work Order Summary for details. (2) pages					
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13					
19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service (MECH: DLK) 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 item(s) is (are) approved for return to service.					
16. Authorized Signature:		17. Name (Typed or Printed):		21. Approval/Certificate No.:	
		Justin R. Hicks		QYIR334Y	
18. Date (m/d/y):		22. Name (Typed or Printed):		23. Date (m/d/y):	
				11-13-06	

FAA Form 8130-3 (7-05)

*Installer must cross check eligibility with applicable technical data.

16	629104	Bushing
16	643629	Ring
2	641909	Plate
4	649205	Screw
2	643626-103	Pin
2	643626-104	Pin
4	643626-105	Pin
6	654587-44	Screw
6	656990	Screw
24	501868	Washer
1	501867	Washer
1	CAMEC39800M015	Spring
4	655269	Cushion
2	646414	Bumper, Rubber
1	646416	Bumper, Rubber
1	630680	Bearing
1	641368	Bearing
6	521649-3	Ring
6	63378-2	Seal
1	641130	Seal
2	CH48109-1	Oil Filter
6	68416P005	Ring Set
2	649971	Gasket o/filer
1	SA616436	Gasket
1	EQ191	Gasket Set
TOTAL		
MISCELLANEOUS PARTS		
2	BL300556-1	Magneto

NAME: PLANE WORKS
ADDRESS: RT 1 BOX 84
MILLWOOD, WV 25262
Telephone (336) 227-1487

INSTRUCTIONS/WORK DESCRIPTION
Disassemble (1) Continental IO-550-N engine S/N 687920 for Propeller Strike inspection. Cleaned, magnafluxed, inspected, and repaired as needed. Replaced parts as listed. Magneto-P/N BL-500556-1S/N D09CA144R & D09CA141R rebuilt by TCM wof 5303. Starter Shaft-P/N 655711 repaired by AS wof 173616. Starter Gear-P/N 652388 repaired by AS wof 173616. CW SB 96-11. Reassembled engine. Test run engine 1 hour 5 minutes, RPM 2700, oil pressure 56 lbs., oil temperature 190 degrees, CHT 310 degrees, mag check @ 2100 RPM, L 90 RPM, R 90 RPM. Compression test cylinder #1 79/80, #2 75/80, #3 78/80, #4 76/80, #5 75/80, #6 75/80.

This engine and/or component is approved for return to service. All pertinent details on file this repair station. TRIAD AVIATION, INC. FAA REPAIR STATION # PP4R448M.
Signed: *Justin R. Hicks* Date: 6-18-09

MAKE	NO. 17975
CONTINENTAL <td>DATE 6/4/2009</td>	DATE 6/4/2009
MODEL <td>WRITTEN BY</td>	WRITTEN BY
REGISTRATION NO. IO-550-N <td>P.O. NO.</td>	P.O. NO.
SERIAL NO. <td>TACHOMETER</td>	TACHOMETER
687920 <td></td>	

Sublet Labor
Starter Shaft
Starter Gear

Propeller Strike inspection. parts as listed. Magneto-wof 5303. Starter Shaft-2388 repaired by AS wof overhaul manual and FAA sure 56 lbs., oil temperature M, R 90 RPM. Compression #6 75/80. This engine is repair station WO# 17975.

SESSION TEST, (1)74/80, EFFECTS FOUND. N50 OIL. CLEAN, GAP, TION CHECK AND ATP.

has been found er 436.

51A

Time
TACH 2055

TOTAL LABOR

TOTAL PARTS

MISCELLANEOUS PARTS

DELIVER OUR TRUCK

TAX

TOT

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				N142 m P
9-10-2013	TACH 2276.7				DRAIN OIL, ADD 8 qts W100 Plus Shell Removed & Replace oil Filter CH 48109-1 WASH Engine, Run up Leak check OK.

Jala Benlaw
INSPECTOR FOR
RICK AVIATION, INC. CRS#IVIR104F
NEWPORT NEWS, VA

3/3/2014; N142MP, Mooney M20L, S/N: 26-0023, TCM IO550N16, S/N: 687920
Engine Total Time: 336.7

Drained oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Cleaned and gaped spark plugs. Compression check: #1 72/80 #2 76/80 #3 78/80 #4 78/80 #5 78/80 #6 76/80. Complied with Mod Works IO-550 Engine conversion Instructions for Continued Airworthiness (ICA). Washed engine, performed engine run up, ops and leak check ok.

FORM RAI-12
DATE 3-3-14 A/C TT 2292.3 ENG TT 336.7 PROP TT 336.7 W.D. # N12001

I CERTIFY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) HAS
BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND
WAS DETERMINED TO BE AIRWORTHY AND APPROVED FOR RETURN TO
SERVICE.

Jala Benlaw
INSPECTOR FOR
RICK AVIATION, INC. CRS#IVIR104F
NEWPORT NEWS, VA

Jala Benlaw
Inspector for
Rick Aviation, Inc. CRS# IVIR104F
Newport News, Virginia 23602

10-29-2014	TACH:	2341.5			DRAIN OIL, ADD 8 QTS W100 PLUS SHELL OIL, REMOVED & REPLACED OIL FILTER CH 48109-1. WASH ENGINE, RUN UP LEAK CHECK OK.

Jala Benlaw
INSPECTOR FOR
RICK AVIATION, INC. CRS#IVIR104F
NEWPORT NEWS, VA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward					
7/3/2017; N142MP, Mooney M20L, S/N: 26-0023, TCM IO550N16, S/N: 687920 Engine Total Time: 495.2					
Drained oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Cleaned and gaped spark plugs. Compression check: #1 75/80 #2 70/80 #3 70/80 #4 70/80 #5 70/80 #6 70/80. Complied with Mod Works IO-550 Engine conversion Instructions for Continued Airworthiness (ICA). Washed engine, performed engine run up, ops and leak check ok. . AD2016-16-12, N/A by factory cylinders installed not ECI. W.O. #M12904					
					Inspector for Rick Aviation, Inc. CRS# IVIR104F Newport News, Virginia 23602
FORM RAI-12 7-3-17 2450.8 495.2 495.2 W.O. # M12904 DATE: A/C TT: ENG TT: PROP TT: I CERTIFY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE AIRWORTHY AND APPROVED FOR RETURN TO SERVICE. Inspector for Rick Aviation, Inc. CRS# IVIR104F Newport News, VA					
8/3/2018; N142MP, Mooney M20L, S/N: 26-0023, TCM IO550N16, S/N: 687920 Engine Total Time: 544.5					
Drained oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Cleaned and gaped spark plugs. Compression check: #1 77/80 #2 75/80 #3 77/80 #4 75/80 #5 78/80 #6 75/80. Complied with Mod Works IO-550 Engine conversion Instructions for Continued Airworthiness (ICA). Washed engine, performed engine run up, ops and leak check ok. . AD2016-16-12, N/A by factory cylinders installed not ECI. W.O. #M13163					
					Inspector for Rick Aviation, Inc. CRS# IVIR104F Newport News, Virginia 23602
FORM RAI-12 8-3-18 2500.1 544.5 544.5 W.O. # M13163 DATE: A/C TT: ENG TT: PROP TT: I CERTIFY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>Annual</u> INSPECTION AND WAS DETERMINED TO BE AIRWORTHY AND APPROVED FOR RETURN TO SERVICE. Inspector for Rick Aviation, Inc. CRS# IVIR104F Newport News, VA					

N142m P


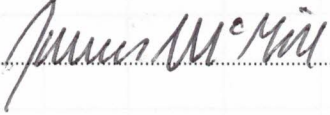

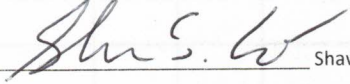

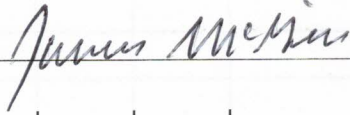
Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought Forward	→				

8/22/2019; N142MP, Mooney M20L, S/N: 26-0023, TCM IO550N16, S/N: 687920
Engine Total Time: 589.6

Drained oil, added 8 qts. W100 Plus Shell oil. Removed and replaced oil filter. Cleaned and gaped spark plugs. Compression check: #1 70/80 #2 68/80 #3 70/80 #4 72/80 #5 72/80 #6 72/80. Complied with Mod Works IO-550 Engine conversion Instructions for Continued Airworthiness (ICA). Washed engine, performed engine run up, ops and leak check ok. . AD2016-16-12, N/A by factory cylinders installed not ECI. W.O. #M13419

John Bulmer
Inspector for
Rick Aviation, Inc. CRS# IVIR104F
Newport News, Virginia 23602

					FORM RAI-12
					8-22-19 2545.1 589.6 589.6 W.O. # M13419
					DATE: A/C TT: ENG TT: PROPTT: W.O. #
					I CERTIFY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) HAS
					BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND
					WAS DETERMINED TO BE AIRWORTHY AND APPROVED FOR RETURN TO
					SERVICE.
					<i>John Bulmer</i>
					INSPECTOR FOR
					RICK AVIATION, INC. CRS# IVIR104F
					NEWPORT NEWS, VA
10-6-2020	607.7	607.7			DRAIN OIL - ADD 8 qts W100 Plus Shell oil
					Remove & REPLACE OIL FILTER - CLEAN
					& GAP PLUGS - Compression Check
					#1 70/80 #2 70/80 #3 70/80 #4 70/80 #5 70/80 #6 70/80
					CW ICA MOD WORKS CONVERSION TO 550
					ENGINE. AD 2020-16-11 N/A BY DATE
					<i>John Bulmer</i>
					INSPECTOR FOR
					RICK AVIATION, INC. CRS# IVIR104F
					NEWPORT NEWS, VA
					FORM RAI-12
					10-6-2020 2563.0 607.7 607.7 W.O. # M13634
					DATE: A/C TT: ENG TT: PROPTT: W.O. #
					I CERTIFY THAT THIS (AIRCRAFT, ENGINE, PROPELLOR, OR APPLIANCE) HAS
					BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND
					WAS DETERMINED TO BE AIRWORTHY AND APPROVED FOR RETURN TO
					SERVICE.
					<i>John Bulmer</i>
					INSPECTOR FOR
					RICK AVIATION, INC. CRS# IVIR104F
					NEWPORT NEWS, VA

Date	Total Time		Time Since Last Overhaul		Engine Service and Maintenance Record Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins
	Hrs.	Min.	Hrs.	Min.	
Brought					
<div style="display: flex; justify-content: space-between;"> <div> <p>Reg#: N142MP</p> <p>Make: CONTINENTAL</p> <p>Model: IO-550-N16</p> <p>S/N: 687920</p> </div> <div style="text-align: center;">  <small>Flight Center</small> WFC-Maintenance, LLC. Williamsburg, VA 23185 </div> <div> <p>Date: 08-02-2022</p> <p>Tach: 2620.6</p> <p>TTE:</p> <p>TSMO:</p> </div> </div>					
<p>Changed oil and filter. Serviced engine with 8 quarts Aeroshell 100 Plus oil and installed CH48109-1 Filter. Decapped removed filter to inspect for defects. Non found. Run up and leak check satisfactory.</p>					
<p>James McGill  A&P 3686429</p>					
<div style="display: flex; justify-content: space-between;"> <div> <p>Reg#: N142MP</p> <p>Make: CONTINENTAL</p> <p>Model: IO-550-N16</p> <p>S/N: 687920</p> </div> <div style="text-align: center;">  <small>Williamsburg</small> WFC-Maintenance, LLC. Williamsburg, VA 23185 </div> <div> <p>Date: 11-16-2022</p> <p>Tach: 2638.7</p> <p>TTE: 683.2</p> <p>TSMO: 683.2 (since new)</p> </div> </div>					
<p>Performed differential compression test. Cyl #1 74/80 #2 63/80 #3 76/80 #4 74/80 #5 74/80 #6 78/80. Changed oil and filter. Serviced engine with 8 quarts Aeroshell 100 Plus and Tempest oil filter p/n AA48109. Decapped removed filter to inspect for defects. None found. Replaced spark plugs with new Champion p/n RHB32E. Replaced rockerbox gaskets on cylinders 3, 4, and 5 with Superior p/n SA632459 gaskets. Replaced cylinder #'s 4 and 6 intake gaskets with p/n 649950. AD's checked through this date reference AD Toolbox.</p>					
<p>I certify this engine has been inspected in accordance with an Annual Inspection and is determined to be in airworthy condition.</p>					
<p> Shawn Cole AP3142798IA</p>					
<div style="display: flex; justify-content: space-between;"> <div> <p>Reg#: N142MP</p> <p>Make: CONTINENTAL</p> <p>Model: IO-550-N16</p> <p>S/N: 687920</p> </div> <div style="text-align: center;">  <small>Flight Center</small> WFC-Maintenance, LLC. Williamsburg, VA 23185 </div> <div> <p>Date: 11-01-2023</p> <p>Tach: 2671.3</p> <p>TTE:</p> <p>TSMO:</p> </div> </div>					
<p>Installed Fuel Pump p/n 655921-1A5 s/n CFO3KN01 on this engine and referenced TELEDYNE CONTINENTAL SERVICE INFORMATION DIRECTIVE SID97-3E for adjustment procedures. Ran aircraft, Ops Checks and Leak Checks Good, all secure, return to service.</p>					
<p>James McGill  A&P 3686429</p>					

