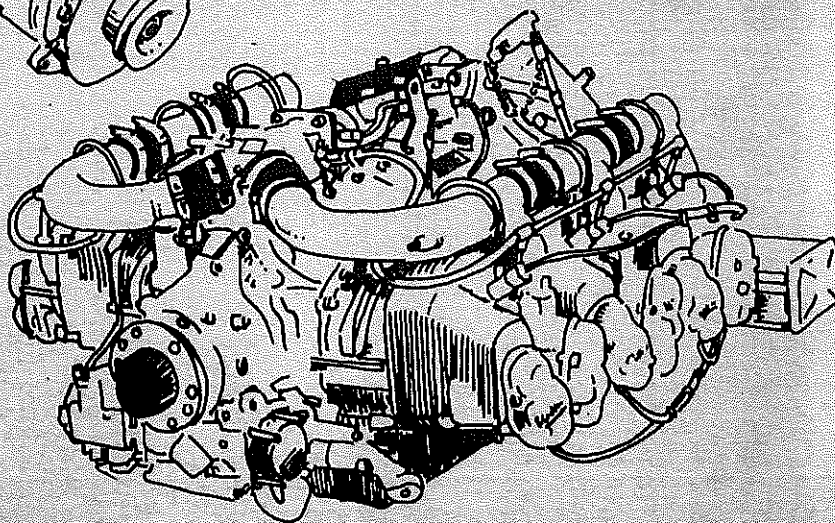
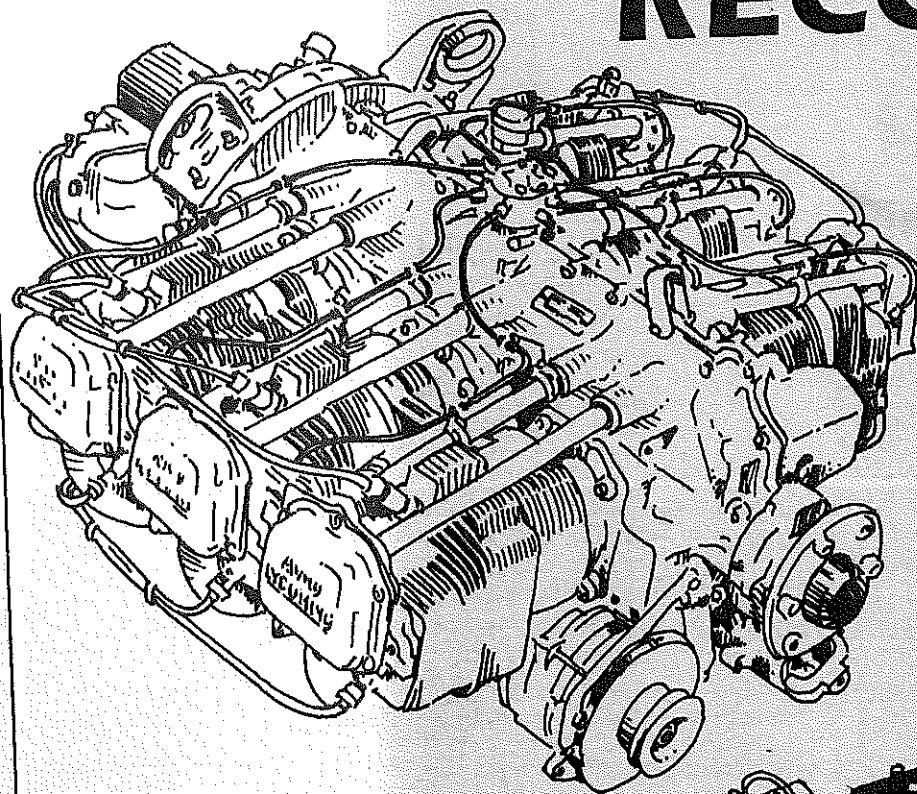


# N100EM LEFT ENGINE LOGBOOK

## ENGINE MAINTENANCE RECORDS



**1-800-624-6680**

(IN NY 631-298-8330)

**TELEDYNE MATTITUCK SERVICES, INC.**

410 AIRWAY DRIVE, MATTITUCK, NY 11952

*INSTALLED ON NOV 05 07 @ HM 420*

This is to certify that the engine described hereafter has been overhauled to manufacturer's new part limits by Teledyne Mattituck Services, Inc. Tested per FAA approved Process Specification 1012B. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. All Applicable Airworthiness Directives are in compliance. The engine, with respect to the work performed is airworthy and approved for return to service.

A description of these repairs is on file at this agency under:

JOB NO. 32521 DATED 25-SEP-07  
 MFG. LYCOMING MODEL T10.540-J2BD  
 Serial No. RL-3872-61A Time in svc. 2638.7 HRS  
 Cylinder Type NEW LYCO NTRADE

**TELEDYNE MATTITUCK SERVICES, INC.**

FAA REPAIR STATION # T10R507Y  
 AIRWAY DRIVE, MATTITUCK NY 11952



Authorized Signature

FORM RS-37 REV.(OCT. 2006)

The accessories listed below were overhauled by Teledyne Mattituck Services, Inc. in accordance with applicable manufacturer's service and parts manuals and installed on the engine:

Item	Part No.	Serial No.



**TELEDYNE MATTITUCK SERVICES, INC.**

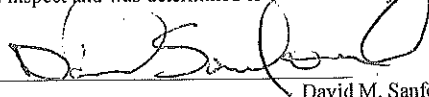
FAA REPAIR STATION T10R507Y

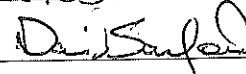
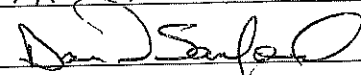
W.O. NO. 32521 DATE 25-SEP-07

The accessories listed below were New or Overhauled as indicated in the status column and installed on the engine. Overhaul records for these overhauled accessories are in an envelope in the back of this logbook.

Item	Part No.	Serial No.	Status
FUEL PUMP	200F5004	KAN030FP/Reve	N
STARTER	149NL	330762	N
SERVO	0524500-9	74591	0
ACT	AL08421RS	H052035	0
MAG	BL-C82910-13	G07FA12SR	0
TURBO	LW12463	LG0134	0
WASTEGATE	LW12778	FER0124	0
CONT.	470854-9010	EK010220	0
CONT.	470856-9002	20024841	0

Authorized Signature

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
DATE: 11-21-07		N100EM	ENGINE: LEFT	
		TACH: 420.0	TSO:	TSN:
1.	Install new air filter element BA-7			
1.	Installed SN <del>RL2065-68A</del> Engine <b>RL-3872-61A</b> D. Sanford			
2.	Installed new turbo tailpipe assm pn 40310-9			
3.	Installed new engine shock mounts J9613-29			
4.	Install new air filter element BA-7.			
5.	Installed new engine hose kit supplied by PHT			
2.	served with 12 qts AS 15w50 and 1 CH 48103 filter ground run and test flight satisfactory			
Performed annual inspection I/A/W Piper PA 31-350 M.M. and FAR 43 appendix D. See AD listing for AD compliance. I certify this engine has been inspected I/A/W an annual inspect and was determined to be in airworthy condition.				
				
				David M. Sanford IA 428373097

1-25-08	435.2			Changed oil, serviced w/12qts AS 1550 + installed new filter CH48103.
				 ATP 3032129
3-7-08	442.0			installed New vacuum Pump P.N. RA 442cw6 S.N. D1351. install serviceable slip Ring P.N. 757728, + Deice Brushes 3E1011-1
				Installed New AIT. LW7R12395
				
				ATP 3032129

DATE: 6-3-08 N100EM ENGINE: LEFT  
TACH: 519.8 TSO: 99.6 TSN:

1. Install new air filter element BA-7  
2. Change oil and serviced with 12 qts AS 15w50 and 1 CH 48103 filter  
3. Compression test 1. 78 2. 79 3. 78 4. 80 5. 80 6. 79 /80  
Performed annual inspection I/A/W Piper PA 31-350 M.M. and FAR 43 appendix D. See AD listing for AD compliance. I certify this engine has been inspected I/A/W an annual inspect and was determined to be in airworthy condition.

  
David M. Sanford IA 428373097

Date: 9-25-08

Left Engine Log entry for N100EM

Hobbs: 573.8

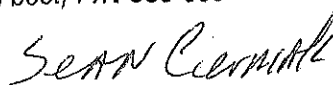
Drain engine oil and oil cooler. Service engine with 12 qts. AS15W50 oil.  
Install new CH48103-1 oil filter, torque and safety. Replace intake manifold gaskets, p/n 71973 on cylinders no. 1, 3, and 4. Wash engine. Rig and adjust density controller as per T  
Adjust oil pressure relief v  
and idle stop. Rig and adj  
operational test, satisfacto  
per Piper Aircraft service  
Lycoming overhaul manu

Q AERO JACKSON Q  
JACKSON, MISSISSIPPI

Date 11-17-2008 Engine Log Book Entry N100EM Hobbs-601.9

Replaced left and right engines prop control rod end boot, P/N 553-330

Sean Cermak  
A&P 2791027 IA



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
10/20/2008	HM 618			<p>COMPLIED WITH AD 2008-14-07 AMM 39-15602 FUEL INJECTOR LINE INSAN  W/ LEXOMING SB 342E, NO DEFECTS OR MISSING CLAMPS NOTED. NEXT  WE @ HM 718 OR WHEN MAINTENANCE IS PERFORMED WHICH MIGHT  DISTURB THE FUEL INJECTOR LINES. COMPLIED WITH AD 2008-18-17  AMM 39-15471 BY INSPECTION OF HOUSING GAP, NO MEASUREABLE GAP  EXIST, THUS UNIT (LW12463/S/N L60134) IS APPROVED FOR SERVICE.  THE DISCHARGE FLANGE WAS STRUCK WITH AN "I" AS INDICATED IN SECTION (J)  OF THE A.D. COMPLIED WITH AD 2008-08-14 AMM 39-15466 BY INSPECTION  OF THE SERVO PLUG 383493 FOR LOOSENESS (I/M/F) NO LOOSENESS WAS  NOTED, AS PER SECTION (I) NEXT INSPECTION DUE AT OIL CHANGE OR  HM 668 WHICHEVER OCCURS FIRST. <i>DAVID C. ENTREKIN</i>  423118879AET</p>
2/12/2008	HM 618			<p>MAINTAINED ENGINE OIL, INSPECTED FILTER, NO METAL NOTED. SECURED  MID-DRAIN OIL SAMPLE. INSTALLED A NEW AA48103 FILTER &amp;  SERVICED SUMP WITH ASISWSD ENGINE OIL, INSPECTED SUCTION  D.U. SCREEN, NO MATERIAL NOTED. CLEANED, GAPPED &amp; TESTED PLUGS,  ROTATED &amp; REINSTALLED. REINSTALLED MAGNETO 10-682910-13 S/N  507FA/RSR FOLLOWING REPAIR BY QUALITY AIRCRAFT ACCESSORIES, INC.  FAACRS QYR334Y ON W/P 58937/2243 DATED 12/11/2008. SET MAG TIMING  TO 80° BTDC. WASHED ENGINE, GROUND RAN &amp; LEAK CHECKED, NO LEAKS  NOTED. <i>DAVID C. ENTREKIN</i> APP 423118879</p>
12/12/2008	HM 618			<p>INSTALLED DRY AIR PUMP P/N 441CC-7 S/N 61784 QHD BY AERO ACCESSORIES  FAACRS PQ 266CE ON W/P 61650 DATED AUG 8, 2008. GROUND RAN &amp; LEAK CHECKED  NO LEAKS NOTED. <i>DAVID C. ENTREKIN</i> APP 423118879</p>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

**TOTALS**—Carry forward to next page



TOTAL  
TIME  
IN  
SERVICE

## NG WORK

Oil drained, Oil filter removed, cut open, and inspected. No metal found. New oil filter installed. Serviced with 12qts. Aeroshell 15W50 oil. Engine ground run, no leaks noted.

David Townes Cox  
A&P 2679578

Dad Zan Tap

N100EM LEFT ENGINE LOGBOOK ENTRY 8-3-10 HOUR METER 794.4  
ENGINE TOTAL TIME 3012.9 ENGINE TOTAL TIME SINCE O/H 374.4  
Oil filter inspected, no metal found. New oil filter installed. Checked compression:  
(1)76 /80 (2)78 /80 (3)76 /80 (4) 78/80 (5)78 /80 (6) 70/80. Serviced engine with  
12qts. Aeroshell 15W50 oil. Replaced Brackett Air Filter element. Lubed all exhaust  
slip joints and waste gate valve. Cleaned and gapped spark plugs. Engine washed  
and ground run, operational check OK, no leaks noted.

I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

Did you say

N100EM 1-11-11 LEFT ENGINE LOGBOOK ENTRY HOUR METER 839.3

Engine ground run. Oil drained, Oil filter removed, cut open, and inspected. No metal found. New oil filter installed. Serviced with 12qts. Aeroshell 15W50 oil. Replaced 2ca. Clamps on turbocharger inlet hose. Engine washed and ground run, no leaks noted.

David Townes Cox  
A&P 2679578

Det Zor To

N100EM LEFT ENGINE LOGBOOK ENTRY 7-12-11 HOUR METER 908.5

Removed left eng instrument air pump, P/N 441CC-7, S/N 61784. Installed overhauled pump, P/N 441CC-7, S/N 15143-08 overhauled by Aero Accessories. Engine Ground run, operational and leak check OK.

David Townes Cox A&P 2679578

Dart Zan Tol

**SUB-TOTALS** this page

**TOTALS**—Carry forward to next page

DATE

JACOBS AIRCRAFT COMPANY/ JACKSON, MS  
531 TERMINAL DRIVE 39209 / 601-948-1601

ARMED—  
PERFORMING WORK

N100 EM 4-25-11 LEFT ENGINE LOGBOOK ENTRY HOUR METER 889.8

Engine ground run. Oil drained, Oil filter removed, cut open, and inspected. No metal found. New oil filter installed. Serviced with 12qts. Aeroshell 15W50 oil. Spark plugs cleaned, gapped, and tested. Tightened and saftied oil dipstick housing. Replaced breather tube elbow. Replaced air-oil separator gasket. Replaced cylinder oil drain tube hoses, 6ea. C/W AD 2008-14-07 by inspection of fuel injector lines and clamps per AD. Replaced throttle body plug gasket, installed P/N 2577258 gasket, torqued plug and saftied per AD 2009-02-03 (I). No further action required of this AD. Engine washed and ground run, no leaks noted.

David Townes Cox  
A&P 2679578

*David Townes Cox*

JACOBS AIRCRAFT COMPANY / JACKSON, MS.  
530 TERMINAL DRIVE 39209 / 601 948 1601

N100EM LEFT ENGINE LOGBOOK ENTRY 9-8-11 HOUR METER 930.8  
ENGINE TOTAL TIME 3149.3 ENGINE TOTAL TIME SINCE O/H 510.8

Oil filter inspected, no metal found. New oil filter installed. Checked compression: (1)77 /80 (2)76 /80 (3) 78/80 (4) 76/80 (5) 78/80 (6) 76/80. Serviced engine with 12qts. Aeroshell 15W50 oil. Replaced Brackett Air Filter element. All spark plugs replaced with new. Push rod tube seals replaced on #'s 2,4,&6 cylinders. Hydraulic filter replaced. Replaced TIT probe. Engine washed and ground run, operational check OK, no leaks noted.

I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

*David Townes Cox*

JACOBS AIRCRAFT COMPANY/ JACKSON, MS  
531 TERMINAL DRIVE 39209 / 601-948-1601

N100EM 11-8-11 LEFT ENGINE LOGBOOK ENTRY HOUR METER 978.3

Engine ground run. Oil drained, Oil filter removed, cut open, and inspected. No metal found. New oil filter installed. Serviced with 12qts. Aeroshell 15W50 oil. Engine washed and ground run, no leaks noted.

David Townes Cox  
A&P 2679578

JACOBS AIRCRAFT COMPANY/ JACKSON, MS  
531 TERMINAL DRIVE 39209 / 601-948-1601

N100EM 4-4-2012 LEFT ENGINE LOGBOOK ENTRY HOUR METER 1025.5

Engine ground run. Oil drained, Oil filter removed, cut open, and inspected. No metal found. New oil filter installed. Serviced with 12qts. Aeroshell 15W50 oil. C/W AD 2011-26-04 (h), Replaced instrument air pump. Installed O/H pump P/NAA441CC-7, S/n 835607. Replaced inline instrument air filter. Engine washed and ground run, no leaks noted.

David Townes Cox

*David Townes Cox*

**TOTALS**—Carry forward to next page





Dail Z Zp

David Lee G...

Sheldon A. Burgen

**TOTALS**—Carry forward to next page

DATE

N100EM LEFT ENGINE LOGBOOK ENTRY 12-15-2014 HOUR METER 1287.6

ENGINE TOTAL TIME 3506.1 ENGINE TOTAL TIME SINCE O/H 867.6

Oil filter inspected, no metal found. New oil filter installed. Checked compression: (1)78/80 (2)76/80 (3) 76/80 (4) 76/80 (5) 78/80 (6) 76/80. Serviced engine with 12qts. Aeroshell 15W50 oil. Propeller removed, overhauled by South Coast Propellers, and reinstalled. Replaced Brackett Air Filter element. All spark plugs cleaned and gapped. Hydraulic filter replaced. Engine washed and ground run, operational check OK, no leaks noted.

I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

*David Townes Cox*ORMED—  
PERFORMING WORK

Hawkins Jet Center

JACKSON, MISSISSIPPI



N100EM Engine

Date 6-3-2015

Hourmeter 1315.0

Adjusted left fuel flow to within green arc limits. Reattached shower of sparks fitting to left magneto. Ops check and engine run up OK at this time.

Brian Goins AP3738075

*Brian Goins*

N100EM LH ENG HOBBS 1336.5



5410 OPERATIONS ROAD, MONROE, LA 71203 DATE 8-19-15  
(318) 387-0222 Repair Station #3MIR878B

Drained oil removed and inspected oil filter. Installed new oil filter p/n CH48103-1 and serviced with 12 Qts Aeroshell 20W50. Installed new oring on waste gate fittings. Washed and ran. Operational check ok.

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current regulations of the FAA, manufacturers maintenance manual and is approved for return to service.  
JPS AVIATION, LLC, FAA APPROVED REPAIR STATION #3MIR878B  
MONROE REGIONAL AIRPORT, MONROE, LOUISIANA

SIGNED

*David Townes Cox*

WO# 13950

N100EM LEFT ENGINE LOGBOOK ENTRY 3-7-2016 HOUR METER 1376.7

ENGINE TOTAL TIME 3595.2 ENGINE TOTAL TIME SINCE O/H 956.7

Oil filter inspected, no metal found. New oil filter installed. Checked compression: (1)76/80 (2)76/80 (3) 76/80 (4) 74/80 (5) 74/80 (6) 78/80. Serviced engine with 11qts. Phillips 20W50 oil. Repaired broken ground strap on alternator. Repaired engine baffling as needed. Replaced Brackett Air Filter element. All spark plugs cleaned and gapped. Hydraulic filter replaced. Engine washed and ground run, operational check OK, no leaks noted.

I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

*David Townes Cox*

age No

# HAWKINS JET CENTER

JACKSON, MISSISSIPPI

DAT

N100EM

Lt. Eng.

Date 10-24-2016

Hourmeter 1421.5

PERFORMED—  
PERSON PERFORMING WORK

Changed oil and filter. Cut old filter open and inspected. No metal found. Serviced engine with 12 qt. Phillips 20W50 X/C oil. Washed and grd. ran engine. No leaks noted.

Sheldon A Burgess A&amp;P 2159379

## Hawkins Jet Center

JACKSON, MISSISSIPPI

Date 11-21-16

Hourmeter 1435.0

N100EM Lt Engine  
Reinstalled fuel servo Sn 74591 after repair by D&G Supply. Removed fuel injectors, cleaned, inspected and reinstalled with new o-rings. Replaced #5 cylinder fuel injector line. Adjusted alternator belt tension.

Brian Goins AP3738075

## HAWKINS JET CENTER

JACKSON, MISSISSIPPI

N100EM

LT Eng.

Date 11-28-2016

Hourmeter 1435.8

Swapped lt and rt fuel servos. s/n 82526 servo installed on lt eng. Leak and operational check OK.  
Sheldon A Burgess A&P 2159379

N100EM LEFT ENGINE LOGBOOK ENTRY 4-12-2017 HOUR METER 1454.0  
ENGINE TOTAL TIME 3672.7 ENGINE TOTAL TIME SINCE O/H 1034.0  
Oil filter inspected, no metal found. New oil filter installed. Checked compression:  
(1) 70/80 (2) 78/80 (3) 78/80 (4) 74/80 (5) 76/80 (6) 78/80. Serviced engine with  
11 qts. Phillips 20W50 oil. Replaced Brackett Air Filter element. All spark plugs  
cleaned and gapped. Hydraulic filter replaced. Engine washed and ground run,  
operational check OK, no leaks noted.

I certify that this ENGINE has been inspected in accordance with an ANNUAL  
INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

## HAWKINS JET CENTER

JACKSON, MISSISSIPPI

Lt. Eng.

Date 11-10-2017

Hourmeter 1494.1

filter. Cut old filter open and inspected. No metal found. Serviced engine with 12 qt.  
X/C oil with CamGuard additive. Grd. ran engine. No leaks noted.

3738075

Model: PA-31-350  
S/N: 31-  
B152196  
Reg. No: N100EM



**CORPORATE**  
FLIGHT MANAGEMENT

276 Doug Warpoole Road  
Smyrna, TN 37167  
615.534.4600

Date: 09-Jan-2018

Hobbs: 3070.9

Airframe

Distance Accomplished:  
02-Removed R/H Starter P/N 149-NLR S/N FNR-080708 and Installed New Starter P/N 149-NLR S/N H-R092149 Ref AMM 8-00  
Ops Checks Good at this time.

Technician: Cody Elliott

Certificate No. A &amp; P 3834581

DATE

N100EM LEFT ENGINE LOGBOOK ENTRY 5-16-2018 HOUR METER 1528.6  
 ENGINE TOTAL TIME 3747.3 ENGINE TOTAL TIME SINCE O/H 1108.6  
 Oil filter inspected, no metal found. New oil filter installed. Checked compression:  
 (1) 72/80 (2) 72/80 (3) 74/80 (4) 78/80 (5) 76/80 (6) 74/80. Serviced engine with  
 11 qts. Phillips 20W50 oil. Replaced Brackett Air Filter element. Replaced all spark  
 plugs. Engine washed and ground run, operational check OK, no leaks noted.

**1 PINT CAMGUARD ADDED**  
 I certify that this ENGINE has been inspected in accordance with an ANNUAL  
 INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

*David Townes Cox*ORMED—  
PERFORMING WORK

## → HAWKINS JET CENTER →

JACKSON, MISSISSIPPI

N100em Engine LT Date 8-9-2018 Tach. 1548.0  
 Removed air pump on left engine and replaced with new P/N 441CC-7 S/N 010T01.  
 Ground ran with operational check and leak check ok.

Joshua Speer P#3952535

*Joshua Speer*

1. Approving Civil Aviation Authority / Country FAA / UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3. AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number AA1010T-0000	
4. Organization/Name and Address YV4R688M FAA-PMA PQ1208CE Aero Accessories, Inc. 1240 Springwood Church Road, Gibsonville, NC 27249				5. Work Order / Contract / Invoice Number 1010T-0000		
6. Item 1	7. Description Dry Air Pump	8. Part Number 441CC-7	9. Quantity 1	10. Serial Number 010T01	11. Status / Work OVERHAUL	
12. Remarks OVERHAULED IN ACCORDANCE WITH THE FOLLOWING FAA APPROVED PROCESS(ES): 203-6-1009 Rev. B dated 05/23/2006 CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 11/12 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NUMBER EASA.145.5682						
14a		<input checked="" type="checkbox"/> 14 CFR 43.9 Return To Service <input checked="" type="checkbox"/> Other Regulation Specified in Block 12 Certifies that unless otherwise specified in block 12, then work identified in block 11 and described in block 12 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.				
14b Authorized Signature <i>Taylor W. Phillips</i>				14c. Approval/Certificate No. YV4R688M		
14d. Name (Typed or Printed) Taylor W. Phillips				14e Date (dd/mm/yyyy) 23/Apr/2018		
User / Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to instal the aircraft engine/propeller/article. 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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a 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 (2-14)				NSN 0052-00-012-9005		

N100EM  
 Changed  
 10 hrs. fl  
 Joshua S

## → HAWKINS JET CENTER →

JACKSON, MISSISSIPPI

N100EM Lt eng. Date 11-21-2018 Hourmeter 1574.6

Cut filter open and inspected. Installed new filter. New alternator belt installed. 37A19773-382. One prop  
 deice brush replaced. p/n 3E2011-2. Reinstalled prop per maintenance manual. Ground ran engine.  
 Operational check OK. No leaks noted.  
 Sheldon A Burgess A&P 2159379 *Sheldon A Burgess*

DATE

Page No.

N100EM LEFT ENGINE LOGBOOK ENTRY 5-16-2018 HOUR METER 1528.6

ENGINE TOTAL TIME 3747.3 ENGINE TOTAL TIME SINCE O/H 1108.6

Oil filter inspected, no metal found. New oil filter installed. Checked compression:  
 (1)72/80 (2)72/80 (3) 74/80 (4) 78/80 (5) 76/80 (6) 74/80. Serviced engine with  
 11qts. Phillips 20W50 oil. Replaced Brackett Air Filter element. Replaced all spark  
 plugs. Engine washed and ground run, operational check OK, no leaks noted.

*1 PINT CAMGUARD ADDED*

I certify that this ENGINE has been inspected in accordance with an ANNUAL  
 INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

*David Townes Cox*ORMED—  
PERFORMING WORK

→ HAWKINS JET CENTER →

JACKSON, MISSISSIPPI

N100em Engine LT Date 8-9-2018 Tach. 1548.0  
 Removed air pump on left engine and replaced with new P/N 441CC-7 S/N 010T01.  
 Ground ran with operational check and leak check ok.

Joshua Speer P#3952535

*[Signature]*

→ HAWKINS JET CENTER →

JACKSON, MISSISSIPPI

N100EM Engine Lt Date 10-10-18 Tach. 1561.5  
 Changed oil and filter. Inspected oil filter and found 2 flakes of aluminum. Reinspect in  
 10 hrs. filled with 12 qts of phillips XC 20W-50. Ground ran with no leaks noted at this time.

Joshua Speer P#3952535

*1 PINT CAMGUARD ADDED*

→ HAWKINS JET CENTER →

JACKSON, MISSISSIPPI

N100EM

Lt eng.

Date 11-21-2018

Hourmeter 1574.6

Cut filter open and inspected. Installed new filter. New alternator belt installed. 37A19773-382. One prop  
 deice brush replaced. p/n 3E2011-2. Reinstalled prop per maintenance manual. Ground ran engine.  
 Operational check OK. No leaks noted.

Sheldon A Burgess A&amp;P 2159379

*Sheldon A Burgess*



TOTAL  
TIME  
IN  
SERVICE

# Jewell Aviation Inc.

418 Airport Rd.  
P.O. Box 623  
Kennett, MO 63857  
573-888-5846  
www.jewellaviation.com

Make: Lycoming  
Model: TIO-540  
Date: 06/10/2019  
Tach Time: 1601.2

WORK

This date received one cylinder for repair. Inspected cylinder and found it to be in serviceable condition. Replaced exhaust guide, and installed serviceable exhaust valve. Ground seats and honed cylinder barrel. Leak checked cylinder after assembly, no leaks found. This cylinder has been made ready for reinstallation on engine.

*David Jewell* A/P 3036572

N100EM LEFT ENGINE LOGBOOK ENTRY 6-20-2019 HOUR METER 1601.2

ENGINE TOTAL TIME 3819.9 ENGINE TOTAL TIME SINCE O/H 1181.2

Oil filter inspected, no metal found. New oil filter installed. Checked compression: (1) \*/80 (2) 75/80 (3) 74/80 (4) 76/80 (5) 75/80 (6) 74/80. \* #1 cylinder was repaired by Jewell Aviation Inc. see preceding log entry. Cyl reinstalled with new piston, ring set, and new gaskets. Serviced engine with 11 qts. Phillips 20W50 oil. Replaced Brackett Air Filter element. Cleaned and gapped spark plugs. Engine washed and ground run, operational check OK, no leaks noted.

*ADDED 1 PINT CAMGUARD*

I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

*David Townes Cox*

## → HAWKINS JET CENTER →

JACKSON, MISSISSIPPI

*1187.9 SMOH*

N100EM

Lt Eng.

Date 1-16-2020

Hourmeter 1607.9

Changed oil and filter. Cut old filter open and inspected. No metal found. Serviced engine with 11 qt. Phillips 20W50 X/C oil and one can of Cam Guard. Washed and grd. ran engine. No leaks noted. Sheldon A Burgess A&P 2159379

*Sheldon A Burgess*

N100EM LEFT ENGINE LOGBOOK ENTRY 7-15-2020 HOUR METER 1614.7

ENGINE TOTAL TIME 3833.4 ENGINE TOTAL TIME SINCE O/H 1194.7

Oil filter inspected, no metal found. New oil filter installed. Checked compression: (1) 76/80 (2) 74/80 (3) 70/80 (4) 74/80 (5) 76/80 (6) 66/80. Serviced engine with 11 qts. Phillips 20W50 oil. Added 1 pint Camguard. Magneto overhauled by RLB Accessory, W/O 20256. Replaced Brackett Air Filter element. Cleaned and gapped spark plugs. Engine washed and ground run, operational check OK, no leaks noted.

I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in airworthy condition.

David Townes Cox IA 2679578

*David Townes Cox*

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
7-15-2020	HM	1614.7		Replaced Magneto Capicitors. Replaced with Magneto Overhaul Dail Za Zap A:P 2679578
→ HAWKINS JET CENTER → JACKSON, MISSISSIPPI				
N100EM	Li eng	Date 3-22-2021	Hourmeter 1636.6	Form 8130s IN REAR OF THIS BOOK
Replaced Lt turbo charger with overhauled unit p/n LW12463 s/n LG0134. New heat shields installed p/n's 6-727341-3, 6-727341-5 and 6-727341-7. Upper tail pipe replaced with overhauled pipe p/n 40310-10. #6 cylinder replaced with overhauled cylinder, new rings and piston pin plugs. Sheldon A Burgess A&P 2159379 <i>Sheldon A Burgess</i>				
→ HAWKINS JET CENTER → JACKSON, MISSISSIPPI				
N100EM	Date 3-26-21	Engine LT	Hobbs 1637.0	
Changed oil and filter. Inspected old filter with no metal found at this time. Filled with 11 Qts of phillips xc 20W-50 and one bottle of cam Guard. Ground ran with no leaks detected at this time. Joshua Speer A&P 3952535 <i>Joshua Speer</i>				
→ HAWKINS JET CENTER → JACKSON, MISSISSIPPI				
N100EM		Date 4-26-2021	Hourmeter 1646.0	
Replaced lt eng CHT probe. Installed p/n 453-751 s/n 52892 probe. Operational check OK. Sheldon A Burgess A&P 2159379 <i>Sheldon A Burgess</i>				
N100EM LEFT ENGINE LOGBOOK ENTRY 8-18-2021 HOUR METER 1649.3 ENGINE TOTAL TIME 3868.0 ENGINE TOTAL TIME SINCE O/H 1229.3 Oil filter inspected, no metal found. New oil filter installed. Checked compression: (1) 74/80 (2) 74/80 (3) 72/80 (4) 76/80 (5) 74/80 (6) 76/80. Serviced engine with 11 qts. Phillips 20W50 oil. Replaced Brackett Air Filter element. Cleaned and gapped spark plugs. C/W AD 15/19/07 on fuel injector lines and clamps. Engine washed and ground run, operational check OK, no leaks noted. Added 1 pint CamGuard <i>in</i>				
I certify that this ENGINE has been inspected in accordance with an ANNUAL INSPECTION and found to be in airworthy condition.				
David Townes Cox IA 2679578 <i>Dail Za Zap</i>				
TOTALS—Carry forward to next page				

→ **HAWKINS JET CENTER** →  
JACKSON, MISSISSIPPI

N100EM Lt. Eng. Date 7-11-2022 Hour meter 1664.5

Changed oil and filter. Cut old filter open and inspected. No metal found. Serviced engine with 12 qt. Phillips 20W50 X/C oil and one bottle of Cam Guard. Washed and grd. ran engine. No leaks noted.  
Sheldon A Burgess A&P 2159379 *Sheldon A Burgess*

WORK PERFORMED—  
OF PERSON PERFORMING WORK

page

→ **HAWKINS JET CENTER** →  
JACKSON, MISSISSIPPI

N100EM Lt. Engine Date 10-1-2022 TT 3886.1 TSO 1247.4 Hm 1667.4

Compression check (1) 77/80 (2) 76/80 (3) 75/80 (4) 74/80 (5) 73/80 (6) 72/80. Oil not changed at this time. Cleaned and gapped spark plugs. Fuel strainer cleaned. Repaired baffles as needed. Engine shock mounts replaced. Cleaned and painted engine mount as needed. C/W AD2013-10-04 Exhaust inspection. Due ea. 60Hrs or 6 months. C/W AD2015-19-07 Fuel injector line inspection. Magneto timing checked. Pressure tested exhaust system. Brackett filter element replaced p/n BA-7. Engine washed and ground ran. Operational checks OK. No leaks noted.

I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.  
Sheldon A Burgess A&P 2159379 IA *Sheldon A Burgess*

→ **HAWKINS JET CENTER** →  
JACKSON, MISSISSIPPI

N100EM LF. Eng. Date 5-5-2023 Hourmeter 1689.4

Changed oil and filter. Cut old filter open and inspected. No metal found. Serviced engine with 11 qt. Phillips 20W50 X/C and CamGuard additive. Grd. ran engine. No leaks noted.

John Snazelle A&P 3841033 *John Snazelle*

→ **HAWKINS JET CENTER** →  
JACKSON, MISSISSIPPI

N100EM Lt. Engine Date 11-1-2023 TT 3908.1 TSO 1269.4 Hm 1689.4

Compression check (1) 75/80 (2) 74/80 (3) 76/80 (4) 78/80 (5) 77/80 (6) 74/80. Oil not changed at this time. Cleaned and gapped spark plugs. Fuel strainer cleaned. Replaced engine driven fuel pump with overhauled P/N RG9080J4A/M, S/N D8877. Replaced all hoses with new built from AERO AVIATION. REF: H50140-1. C/W AD2013-10-04 Exhaust inspection. Due ea. 60Hrs or 6 months. C/W AD2015-19-07 Fuel injector line inspection. Magneto timing checked. Pressure tested exhaust system. Brackett filter element replaced p/n BA-7. Engine washed and ground ran. Operational checks OK. No leaks noted.

I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.  
John Snazelle A&P 3841033 IA *John Snazelle*

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JACKSON, MISSISSIPPI

N100EM

LF, Eng.

Date 2-26-2024

Hourmeter:

7275.3 TAF

PERFORMED—  
SON PERFORMING WORK

Changed oil and filter. Cut old filter open and inspected. No metal found. Serviced engine with 12 qt. Phillips 20W50 X/C. Grd. ran engine. No leaks noted.

John Snazelle A&amp;P 3841033

John Smith

## ✈ HAWKINS SERVICE CENTER ✈

JACKSON, MISSISSIPPI

N100EM

Lt Engine

Date 3-18-2025

TT 3921.3

Hm 1702.6

TSO 1282.6

Compression check (1) 75/80 (2) 74/80 (3) 73/80 (4) 71/80 (5) 73/80 (6) 69/80. Changed oil and filter. Inspected oil filter. No metal found. Serviced engine with 12 qts Phillips 20W50 X/C oil. Cleaned and gapped spark plugs. Fuel strainer cleaned. Magneto timing checked and adjusted. Pressure tested exhaust system. C/W AD2013-10-04 Exhaust system inspection. C/W AD2024-21-02 by connecting rod bushings by inspection of filter. Engine washed and ground ran. Operational checks OK. No leaks noted.

I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. *Spaldon A. Buryen*

Sheldon A Burgess A&P 2159379 IA

Sheldon A. Bergen

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