

Work Order Administration: WO 5451-15-Jul-2019-(*assetCode*)



8 E - Engine N19AM

Aviation Performance Soli
Phoenix-Mesa Gateway
N19AM

Code
5451-15-Jul-2019-(*assetCode*)



Work Order Status
Closed, Completed
Maintenance Type
Corrective

Asset
Engine N19AM (Upset 8 E)
Project

Priority
High

Suggested Completion Date

Editing

General

Engine N19AM (Upset 8 E)

Online

Aviation Performance Solutions LLC (Headquarters) (A001) > Phoenix-Mesa Gateway Airport - Mesa, Arizona (A002) > N19AM (Upset 8)

Summary of Issue

No fuel flow indicating when boost pump is on

Work Instructions

Assigned To User

Estimated Labor

hours

Completed By User

JJ Estrada

Actual Labor

hours

Date Completed

Jul 15, 2019 10:29:45 AM

Completion

Cost Tracking

Account

Charge Department

Completion Notes

Completion Notes

Hobbs: 3204.03

Removed the fuel boost pump (P/N B8120-M, S/N 92609) and replaced with a newly overhauled boost pump (P/N B8120-M, S/N 1807225). Performed an engine run with no discrepancies. No Leaks detected. I certify this aircraft for return to service.

Jesus Estrada

A&P 4002424

Problem (briefly outline the problem, if any)

Root cause (short description of the cause of issue, if any)

Solution (short description of the solution, if any)

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2 AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: M1807225	
4. Organization Name and Address: Aeromotors, LLC 304 East Murray Street, Browntown WI. 53522 (01MR357Y)					5. Work Order/ Contract/ Invoice Number: M1807225	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number:	11. Status/Work:	
1	Fuel Pump	B8120-M	1	1807225	Overhauled	
12. Remarks: Overhauled In Accordance With Procedure:AS28-041R7 Details on attached Work Order Number : M1807225 Certifies that the work specified in blocks 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 .145.6504 -----Nothing Below-----						
13a. Certifies the items identified above were manufactured in conformity to: Approved design data and are in a condition for safe operation. Non-approved design data specified in Block 12.				14a ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 12 Certifies that unless otherwise specified in block 12, the 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		
13b. Authorized Signature:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
				[Redacted Signature]		01MR357Y
13d. Name (Typed or Printed):		13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mm/yyyy):
				Gerri Harvey		8-Aug-2018
User/Installer Responsibilities						
It is important to understand that the existence of this document alone does not automatically constitute authority to install 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 Block1. 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.						

AEROMOTORS, LLC.
REPAIR STATION NUMBER 01MR357Y
304 EAST MURRAY ST. BROWNTOWN WI 53522

SERVICE WORK ORDER #: M1807225
DATE: 07/26/2018

CUSTOMER: AIRCRAFT ACCESSORIES INTL
CUSTOMER PO# AAI3172

PART NO. : B8120-M
DESCRIPTION: FUEL PUMP (WELDON)
SERIAL NUMBER: 1807225
DISCREPANCY: DUE OVERHAUL
EASA DUAL RELEASE REQUIRED

PRELIMINARY AND TEAR DOWN INSPECTION:

INITIALS: [REDACTED]

DATE: 7/30/18

Received disassembled, No cartridge Assy, O-Rings, Motor, Jam Nut Assy due replacement

HIDDEN DAMAGE INSPECTION:

N/A

INITIALS: [REDACTED]

DATE: 7/30/18

CORRECTIVE ACTION:

OVERHAULED / REPAIRED I/A/W APPROVED PROCEDURE AS28-041R(7)

LIMITS: 14 VDC 5.5 AMPS MAX 40 GPH @ 26 PSI NO FLOW 36-40 PSI

ACTUAL: *48* GPH AT 26 PSI *4.2* AMPS NO FLOW *40* PSI *5.0* AMPS

MECHANIC: [REDACTED]

DATE: 08/07/18

PARTS USED:

DESCRIPTION:

QUANTITY: INSTALLED:
YES: NO:

PARTS USED:	DESCRIPTION:	QUANTITY:	INSTALLED: YES:	NO:
MISC	MISCELLANEOUS HARDWARE	1	X	
AM2973	COUPLER	1	X	
AM3341	CARTRIDGE ASSEMBLY	1	X	
MS29513-022	O-RING	1	X	
MS29513-119	O-RING	1	X	
AM3290	MOTOR (12 - 14 VDC)	1	X	
8850-5	MOTOR (12 - 14 VDC)	1		X
8850-5L	MOTOR (12 - 14 VDC)	1		X
AM3446	NUT, JAM ASSEMBLY 1/2-20	1	X	
AM3092	VALVE	1	X	

THIS COMPONENT IDENTIFIED ABOVE WAS REPAIRED/OVERHAULED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND WAS FOUND AIR-WORTHY FOR RETURN TO SERVICE.

INSPECTOR: [REDACTED]

DATE: 8/8/18

Hogenson Dennis

From: Duran, Yasmin M [REDACTED]
Sent: Thursday, August 15, 2019 8:48 AM
To: Hogenson Dennis
Cc: Pakele, Jeffrey K (FAA)
Subject: Accident N19AM, Extra 300
Attachments: IMG_0819.JPG; IMG_E6.JPG; IMG_E5.JPG

Good Morning Dennis,

FYI, I did a cursory review of the aircraft records for the Extra 300, N19AM, and found the following recent write-ups and corrective actions for your consideration:

May 1, 2019 Engine hard to prime after shut down; removed and replaced fuel manifold TAT 3151.6 (pic E6)

July 15, 2019 No fuel flow indicating when boost pump on; removed and replaced boost pump TAT 3204.3 (pic 0819)

Last 100 hr June 18, 2019 @ TAT 3189.2 (E5)

-Yasmin

Yasmin M. Duran
Aviation Safety Inspector (Airworthiness)
AFG-SDL-FSDO-07
[REDACTED]

NOTE: This email and any attachment is FOR OFFICIAL USE ONLY - Public availability to be determined under 5 USC 552.