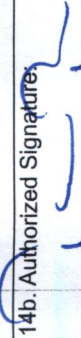


1. Approving Civil Aviation Authority/Country FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 30453876	
4. Organization Name and Address: Eaton Aerospace 5353 Highland Dr. Jackson, MS 39206 Phone: (601) 981-2811 EF4R152M						5. Work Order/Contract/Invoice Number: 389131 C380629	
6. Item: 1	7. Description: PV3-240-18 Pump, Hydraulic Assembly	8. Part Number: 849589	9. Quantity: 1	10. Serial Number: MX861706	11. Status/Work: OVERHAULED		
12. Remarks: OVERHAULED AND TESTED PER ATA/CMM:29-10-61, REV:10, DATED:30-Mar-2022; INCORPORATED S/B: 849589-296-01.02.03.05.06; COMPLIANT WITH S/L: SIL 62983-29-01 849589-01R1; MODS INCORPORATED: A,B,C,E,F,G,H; TSN:UNK; TSR:0; CSN:UNK; CSR:0; CSO:0. COMPLIED WITH SL-29-849589-05 INCORPATED MOD 'G' HOUSING 971699 REPAIRED AND MODIFIED UNDER DER-N658 SEE ATTACHED WORK SUMMARY/INSPECTION REPORT FORM # 1502 FOR DETAILED DESCRIPTION OF WORK ACCOMPLISHED. Certifies that the work specified in block 11/12 was carried out in accordance with EASA part 145, and with respect to that work, the component is considered ready for release to service under EASA Part 145 Approval Number EASA. 145.4999							
13a. Certifies that the items identified above were manufactured in conformity to: ☐ Approved design data and are in condition for safe operation. ☐ Non-approved design data specified in Block 12.		14a. ☒ 14 CFR 43.9 Release 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.		14b. Authorized Signature: 			14c. Approval/Certificate Number: EF4R152M
13b. Authorized Signature:		13c. Approval/Authorization No:		14d. Name: Paul Rankin		14e. Date (dd/mm/yyyy): 01-DEC-2023	
13d. Name:							
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 engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.							
Statements in Block 13a and 14a do not constitute 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 (02-14)



NSN: 0052-00-012-9005



Repair Station Certifications:
CAA No: 145.4999
FAA No : EF4R152M
EASA No: EASA.145.4999
CAAC No: F00100596
TCCA No:

INSPECTION & REPAIR REPORT

Eaton Aerospace 5353 Highland Dr. Jackson, MS 39206 Phone: (601) 981-2811	Call No:		C380629
	Line Item:		1
Customer Service Rep: Amanda Albritton Tel: (601)987-3427 Fax: Email: amandacalbritton@eaton.com	Date Rec'd	07-NOV-2023	Work Release Date
	Service Type	30ROT	Administrator: Amanda Albritton
	Customer Approved Direction		

RECEIVED ORDER DETAILS

Returned By:	EATON CORPORATION	Operator / End User:	EATON AEROSPACE		
Model Number / Description	PV3-240-18 Pump, Hydraulic Assembly	Purchase Order #	C380629		
Part Number	849589	Contract #			
Serial Number	MX861706	NSN or Ref P/N #			
Serial Number Suffix		Customer Part #			
Modifications		Customer Serial #		Suffix	
Customer Container		Original Mfg. Date			

REMOVAL/RECEIPT DETAILS

Per Customer Documents

Date Removed		TSN Hours	UNK	CSN	UNK
Aircraft Type		TSO Hours	UNK	CSO	UNK
Aircraft Registration No.		TSR Hours	UNK	CSR	UNK
Fit Location on Aircraft:					



Form-1502 (05/2011)

WORK DOCUMENTS

ATA/CMM	29-10-61	Date	30-MAR-2023	Rev	10
Tech Manual / Drawing No.		Date		Rev	
ATP		Date		Rev	
Sales Order Control Instructions:		SCD: , SOA:			
Customer Specifications/Documents:					
Special Instructions: Mandatory change of part number 00-329282. Must Comply with SIL 62983-29-01. COMPENSATORS FROM THE FIELD MUST BE 100% INSPECTED USING FORM 9922, EXCEPT FOR NFF's AND MINOR REPAIRS (I.E. SHAFT SEAL LEAKAGE).					
Scheduled Removal	Yes	No	✓	Failure Analysis Required	Yes
Reason For Removal:					
Incoming/Confirmation Test Required	Yes	✓	No	Removal Reason Confirmed	Yes
Received Visual Condition:					
Incoming/Confirmation Test Result:					
Warranty Requested	Yes	No	✓	Warranty Accepted	Yes
Warranty Details:					

WORK DETAILS & FINDINGS

Disassembly Observations:

Replaced:

; 00-351852 BEARING, BALL, ANNULAR A -OVERHAUL; 00-352003 BEARING, ROLLER (PINTLE) **DFAR REQD -- SITE 30** -OVERHAUL; 00-353048 BEARING, CYLINDRICAL ROL **DFAR REQD -- SITE 30** -OVERHAUL; 00-353850 SEAL, SHAFT -SCRATCHED / GOUGED; 00-414005 PISTON AND SHOE SUBASSY -OVERHAUL; ; 00-571242 ADAPTER, COUPLING -MODIFICATION OR UPDATE; 00-623659 BLOCK, CYLINDER L/L ORANGE -OVERHAUL; 00-624138 BEARING, ROLLER, NEEDLE -OVERHAUL; 00-971655 SHAFT, COUPLING -MODIFICATION OR UPDATE; 00-971663 VALVE, SOLENOID -OVERHAUL; 00-971699-R HOUSING *** REPAIRED PART *** -OVERHAUL; 00-971751 YOKE SUBASSEMBLY -OVERHAUL; 00-971799 RETAINER, PLATE *CMM* -OVERHAUL; 00-971802 DRIVE SHAFT SUBASSEMBLY -OVERHAUL; 00-972431 GUIDE, SPRING -OVERHAUL; 00-972435 BUSHING AND VALVES -OVERHAUL; 00-972444 IMPELLER -OVERHAUL; 00-973560 COVER, INLET *CMM* -OVERHAUL; 00-973561 MOUNTING FLANGE -OVERHAUL; 00-973953 PLATE, PISTON SHOE, *SS* TAB DRW 973952 -OVERHAUL; 00-974219 CLAMP -OVERHAUL; 3029080-001 GUIDE, SPRING SUBASSEMBLY -OVERHAUL; 3032150-004 PV3-240-18 REPAIR KIT -OVERHAUL;

Work Instructions: C/W SIL 62983-29-01.

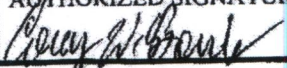
C/W SL-29-849589-05

Reason for Failure:

WORK ACCOMPLISHED

Svc Bulletin Incorporated	849589-296-01,02,03,05,06		
Service Letters Inc	SIL 62983-29-01 849589-01R1	Status/Work Completed	Overhauled
Modifications Incorporated This Visit	A,B,C,E,F,G,H	Modifications Identified on Name Plate	A,B,C,E,F,G,H
Product Modified / Upgraded From:	NA	Product Modified / Upgraded To:	NA

APPROVALS

STAMP OR SIGNATURE	Date	AUTHORIZED SIGNATURE	Date
	NOV 30 2023		11/30/23

SHIPMENT DETAILS

Ship to Customer:	EATON AEROSPACE	Bill to Customer	EATON CORPORATION		
Part Number	849589	Model Number	PV3-240-18 Pump, Hydraulic Assembly		
Serial Number	MX861706	Serial Number Suffix			
Customer Part No.		Customer Serial No.		Serial Suffix	



Powering Business Worldwide

Aerospace Test Record

CMM910387 Rev 10

Model: **PV3-240-18**
Assembly: **849589**
Mfg Plant: **Jackson, MS**

Serial: **MX861706**
REO: **C380629**
Fluid: **Skydrol**



Test Cell: **42**
Test Operator: **6265**
11/30/2023 12:39:29 PM

Par	Test Performed	Test Limits	Actual UOM	Status
4.A.(2)	Case Relief Valve Crack Pressure	240 psig minimum 290 psig maximum	<u>N/A</u> psig	
4.E.(1)	Proof Test (Optional) Outlet Port 4500 psi for 2 minutes and 2 psi for 2 minutes	No external leakage No permanent deformation	<u>Yes</u> Accept <u>Yes</u> Accept	
4.E.(2)	Inlet & Case Ports 900 psi to inlet and case drain for 2 minutes 2 psi for 2 minutes	No external leakage No permanent deformation	<u>Yes</u> Accept <u>Yes</u> Accept	
4.F.	Binding Test	60 lb-in max	<u>23</u> lbf-in	
5.A.	Break-In and Compensator Setting			
5.A.(3)	5 minutes @ 1500 rpm, 1250 psi outlet pressure 50 psi maximum case drain pressure	5 minutes	<u>Yes</u> Completed	
5.A.(4)	5 minutes @ 2400 rpm, 2000 psi outlet pressure 50 psi maximum case drain pressure	5 minutes	<u>Yes</u> Completed	
5.A.(5)	Set Pressure Control Zero flow at 3750 rpm, 90 psi case pressure 160°F inlet fluid temperature Locknut Torque	3000 psi minimum 3050 psi maximum 90-100 lbf-in	<u>3034</u> psi <u>Yes</u> Completed	
5.A.(6)	Continue Break-In 5 minutes @ 3750 rpm, 2850 psi outlet pressure, 90 psi case drain pressure	5 minutes	<u>Yes</u> Completed	
5.A.(7)	15 Minute Cycles Full Flow to EDV at 3300 rpm	15 Minutes No fluctuations or oscillation No external leakage Shaft seal: 5 drops/3 minutes max	<u>15</u> minutes <u>Yes</u> Accept <u>Yes</u> Accept <u>0</u> Drops/3 min.	

QUALITY ASSURANCE:
CUSTOMER REP:

Pass 

DATE: NOV 30 2023
DATE: _____

Model: **PV3-240-18**
Assembly: **849589**
Mfg Plant: **Jackson, MS**

Serial: **MX861706**
REO: **C380629**
Fluid: **Skydrol**



Test Cell: **42**
Test Operator: **6265**
11/30/2023 12:39:29 PM

Par	Test Performed	Test Limits	Actual UOM	Status
5.B	Performance Test	Must be stable Shaft seal:	<u>Yes</u> Accept <u>0</u> Drops/3 min.	
		5 drops/3 minutes max No external leakage	<u>Yes</u> Accept	
5.B.(1)	Outlet and case flow at 3750 rpm, 2850 psi outlet pressure	Outlet Flow: 37.5 gpm min. Case Flow: 1.55 gpm max.	<u>38.52</u> gpm <u>0.90</u> gpm	
5.B.(2)	Case pressure at zero case flow 3750 rpm, zero outlet flow	240 psi minimum 360 psi maximum	<u>296.0</u> psi	
5.B.(2)(a)	Case pressure at zero case flow 3750 rpm, 2850 +/- 25 psi outlet	180 psi minimum 360 psi maximum	<u>295.2</u> psi	
5.B.(3)	Zero flow pressure creep	± 25 psi Initial Pressure Final Pressure	<u>3.3</u> psi <u>3011.1</u> psi <u>3007.7</u> psi	
5.B.(4)	Speed scan: 90 psi case pressure Zero Outlet flow, 1500 to 3800 to 1500 rpm	No unusual noise or chatter	<u>Yes</u> Accept	
5.B.(5&6)	Full Flow to EDV	18Vdc, 10mL/minute max <1100 psi @ 5.0 seconds 29.5Vdc, 10 mL/minute max <1100 psi @ 5.0 seconds	<u>0</u> mL/min <u>47</u> psi <u>0</u> mL/min <u>42</u> psi	
5.B.(7)	Zero Flow to EDV	18Vdc, 10mL/minute max <1100 psi @ 5.0 seconds 29.5Vdc, 10 mL/minute max <1100 psi @ 5.0 seconds	<u>0</u> mL/min <u>982</u> psi <u>0</u> mL/min <u>964</u> psi	
	Case Leakage			
5.B.(8)	2100 rpm, 140 psi case pressure, 160 deg-F inlet, 5 gpm outlet flow, EDV de-energized	Case Flow: .65 to 1.25 gpm Inlet temp: 150 to 170 deg-F	<u>0.65</u> gpm <u>161</u> deg-F	
	2100 rpm, 90 psi case pressure, 160 deg-F inlet, 0 gpm outlet flow, EDV energized	Case Flow: .54 to 1.55 gpm Inlet temp: 150 to 170 deg-F	<u>1.16</u> gpm <u>160</u> deg-F	
	3750 rpm, 140 psi case pressure, 160 deg-F inlet, 5 gpm outlet flow, EDV de-energized	Case Flow: .80 to 1.30 gpm Inlet temp: 150 to 170 deg-F	<u>0.90</u> gpm <u>161</u> deg-F	
	3750 rpm, 90 psi case pressure, 160 deg-F inlet, 0 gpm outlet flow, EDV de-energized	Case Flow: .80 to 1.60 gpm Inlet temp: 150 to 170 deg-F	<u>1.03</u> gpm <u>160</u> deg-F	
	3750 rpm, 90 psi case pressure, 160 deg-F inlet, 0 gpm outlet flow, EDV energized	Case Flow: .95 to 1.60 gpm Inlet temp: 150 to 170 deg-F	<u>1.22</u> gpm <u>159</u> deg-F	

Model: **PV3-240-18**
Assembly: **849589**
Mfg Plant: **Jackson, MS**

Serial: **MX861706**
REO: **C380629**
Fluid: **Skydrol**



Test Cell: **42**
Test Operator: **6265**
11/30/2023 12:39:29 PM

Par	Test Performed	Test Limits	Actual UOM	Status
5.C.	Patch test (Optional)	15 Minutes PV3-240-18 Patch standard	<u>n/a</u> min <u>n/a</u> Accept	
5.D.	Compensator recheck 3750 rpm, 90 psi case pressure, 160 deg-F inlet, 0 gpm outlet flow	3000 to 3050 psi	<u>3044</u> psi	
5.E.	Friction Test Rotate drive shaft	60 lbf-in maximum	<u>21</u> lbf-in breakaway <u>14</u> lbf-in turning	