

AUTHORISED RELEASE CERTIFICATE

EASA FORM 1

1 Approving Competent Authority/Country CIVIL AVIATION AUTHORITY / UNITED KINGDOM		2		3. Form Tracking Number 75S47272-001			
4. Organisation Name and Address EATON EATON LIMITED LARCHWOOD AVENUE BEDHAMPTON HAVANT HAMPSHIRE PO9 3QL				Phone: +44-2392 487260 Fax: +44-2392 492400 Email: bdhuk_customerservices@eaton.com		5. Work Order/Contract/Invoice RO 21563766-33	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work		
001	PV3-300-13L HYDRAULIC PUMP	974800		1.0	G0210570	REPAIRED	
12. Remarks REPAIRED IN ACCORDANCE WITH CMM29-10-55 REV: 10 MODs ON RECEIPT: B,C,D,E. MODs INCORPORATED THIS VISIT: H,K,L,N. IAW SB974800-29-02 REV: 1, SB974800-29-03 REV: 0, SB974800-29-04 REV: 1 & SB974800-29-05 REV: 0.							
13a. Certifies that 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 ☒ Part 145.A.50 Release to Service ☐ Other regulation specified in block 12							
13b. Authorised Signature		13c. Approval/Authorisation Number		14b. Authorised Signature			
				Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, was accomplished in accordance with Part 145 and in respect to that work the items are considered ready for release to service			
13d. Name		13e. Date (dd mmm yyyy)		14c. Certificate/Approval Ref. No. UK.145.00817			
				14d. Name Paul Edwards			
				14e. Date (dd mmm yyyy) 20 Feb 2018			

The work identified in Block 11 and described herein, has been accomplished in accordance with 14 CFR part 43 and in respect to that work, the items are approved for return to service under the certificate number VS6Y531J

Call No: T222963

Signed for EATON LIMITED

Date: 20 Feb 2018

1 国家 Country General Administration of Civil Aviation of China (CAAC) CHINA	2 中国民用航空总局 CAAC	☐ 符合性 Conformity	☒ 适航性 Airworthiness	3 证书编号 Certificate Ref No. 75S47272-001		
批准放行证书/适航批准标签 AUTHORIZED RELEASE CERTIFICATE/AIRWORTHINESS APPROVAL TAG						
4 单位 Organization	EATON LIMITED LARCHWOOD AVENUE BEDHAMPTON HAVANT HAMPSHIRE PO9 3QL Tel: +44-2392 487260 Fax: +44-2392 492400					
5 工作单/合同单/货单 Work Order/Contract/Invoice RO 21563766-33						
6 序号 Item	7 内容 Description	8 件号 Part No.	9 适用性 Eligibility(*)	10 数量 Quantity	11 系列号/批号 Serial/Batch No.	12 产品状态 Status/Work
1	PV3-300-13L HYDRAULIC PUMP	974800	A330, A340, A340-500/600	1.0	G0210570	REPAIRED
13 备注 Remarks REPAIRED IN ACCORDANCE WITH CMM29-10-55 REV: 10 MODs ON RECEIPT: B,C,D,E. MODs INCORPORATED THIS VISIT: H,K,L,N. IAW SB974800-29-02 REV: 1, SB974800-29-03 REV: 0, SB974800-29-04 REV: 1 & SB974800-29-05 REV: 0.						
14 新产品 New Parts		15 使用过的产品 Used Parts				
兹声明上述产品除第13项的其它规定以外,已按照上述国家适航条例进行制造/检查,并且该产品(出口产品)符合经批准的型号设计资料和进口国提出的专用要求。 Certifies that the Part(s) identified above except as otherwise specified in block 13 was (were) manufactured/inspected in accordance with the airworthiness regulations of the stated country and/or in the case of parts to be exported with the approved design data and with the notified special requirements of the importing country.		兹声明上述产品除第13项的其它规定以外,已按照上述国家适航条例和进口国通知的特殊要求进行了工作,该产品处于安全可用状态可以批准放行使用。 Certifies that the work specified above except as specified in block 13 was carried out in accordance with the airworthiness regulations of the stated country and the notified special requirements of the importing country and in respect to that work the part(s) is (are) in condition for safe operation and consideration for release to service. (over)				
16 批准人签名 Signature [Signature]		19 中国民航总局授权 Issued by or on behalf of the CAAC F04400198				
17 批准人姓名(打印的) Name (Printed) Paul Richards		18 批准日期 Date 20 Feb 2018				

AAC-038(12/94)

* 参阅产品目录详细查找适用性

Cross-check eligibility for more details with parts catalogue

INSPECTION REPAIR REPORT

EATON LIMITED LARCHWOOD AVENUE BEDHAMPTON PO9 3QL GREAT BRITAIN			Call No:	T222963
			Line Item:	1
Customer Service Rep: LUCIEN NDIKUM	Date Recv'd	05/12/17	Work Release Date	12/12/17
Tel:	Service Type:	75REP	Administrator:	LUCIEN NDIKUM
Fax:	Customer Approved Direction:			
Email: Customer Service Rep:				

RECEIVED ORDER DETAILS

Returned By:	QATAR AIRWAYS	Operator/End User	QATAR AIRWAYS - TECH STO	
Model Number:	PV3-300-13L	Purchase Order #:	RO 21563766-33	
Part Number:	974800	Contract#:		
Serial Number:	G0210570	NSN or Ref P/N:	N/A	
Serial Number Suffix:		Customer Part #:		
Modifications:	B,C,D,E.	Customer Serial #:	G0210570	Suffix:
Customer Container:	no	Original Mfg Date:		

REMOVAL/RECEIPT DETAILS per customer documents

Date Removed:	22/11/17	TSN Hours:	44606	CSN:	8974
Aircraft Type:		TSO Hours:	44606	CSO:	8974
Aircraft Tail No:	A7-AEJ	TSR Hours:	0	CSR:	0
Fit Location on Aircraft:	NO.1				

WORK DOCUMENTS

CMM:	29-10-55	Date:	26/01/09	Rev:	10
Tech Manual/Drawing No:		Date:		Rev:	
ATP:	IAW CMM 29-10-55	Date:		Rev:	
Sales Order Control Instructions					

Customer Specifications/Documents

Special Instructions

EASA,FAA,TEARDOWN /STRIP REPORT,SHOP FINDINGS REPORT

Scheduled Removal Yes ☐ No ☒ Failure Analysis Required: Yes ☐ No ☒

Reason for Removal

FOR REPAIR

LEAK FROM DRIVE PAD AS PER THE USLR 2086357



INSPECTION REPAIR REPORT

Incoming/Confirmation Test Required	Yes ☒ No ☐	Removal Reason Confirmed	Yes ☐ No ☒	No Fault Found (NFF)	☐
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Received Visual Condition

SLIGHT LEAK IN CRATE, NO SHAFT FITTED.

Incoming/Confirmation Test Result

FAILED - SHAFT SEAL LEAK, LOW DELIVERY, HIGH CASE LEAKAGE,
ADJUSTED CUT OFF PRESSURE SET TOO LOW, PATCH UNACCEPTABLE
(12/12/2017)

Warranty Requested	Yes ☐ No ☒	Warranty Accepted	Yes ☐ No ☒	Partial Warranty Accepted	☐
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Warranty Details

WORK DETAILS & FINDINGS

Disassembly Observations:

UNIT STRIPPED FOR INSPECTION. HOUSING S/A WORN AT PINTLE BEARING WEAR PADS, 2 YOKE SCREWS SEIZED IN YOKE S/A, PISTONS SCORED. MOUNTING FLANGE DAMAGED AT LOCATING LUGS, ACTUATOR PISTON WORN AT CONTROL SURFACE. PINTLE BEARINGS WORN.

INCORPORATE SB 974800-29-02 (MOD "H"), SB 974800-29-03 (MOD "L"), SB 974800-29-04 (MOD "N"), SB 974800-29-05 (MOD "K").

NEW COMPONENTS FITTED, PISTON AND SHOE S/A ENDPLAY SET, CYLINDER BLOCK ENDPLAY SET, SHAFT SEAL CAVITY SET, ALL FLATNESS LAPPED, ALL AFFECTED SEALS CHANGED, SEND FOR A FULL PRODUCT ACCEPTANCE TEST. MOD "N" COUPLING SHAFT WAS RETURNED WITH THE PUMP, CONFIRMED THE PART NUMBER ON THE SHAFT SO MOD "N" CAN BE INCORPORATED AND ADDED TO THE MODIFICATION PLATE ON THE PUMP.

*TEST FAILURE (12/01/18): DYNAMIC SHAFT SEAL LEAK.

SHAFT SEAL S/A RE-LAPPED, SHAFT SEALS PRE-LOAD RESET, ALL AFFECTED SEALS CHANGED, SEND FOR A FULL PRODUCT ACCEPTANCE TEST. COMPENSATOR SPOOL AND SLEEVE TO BE REPLACED FOLLOWING TEST FAILURE.

*TEST FAILURE (02/02/18): Rework req'd to correct cause of low case flow in e.d.v condition # 3300 & 3750 rpm.

NEW EDV SOLENOID ISSUED (SUBJECT TO TEST).

INSPECTION REPAIR REPORT

*TEST FAILURE (02/02/18): LOW CASE FLOW WITH EDV SOLENOID ENERGISED.

ORIGINAL EDV SOLENOID RE-ISSUED TO THE PUMP DUE TO NO CHANGE TO THE TEST RESULTS ON THE RIG, MULTIPLE DEPARTMENTS CONSULTED ON CAUSES OF THE FAILURE MODE, THESE LEAD TO THE COMPENSATOR S/A WITHIN THE PUMP. NEW COMPENSATOR FITTED (SUBJECTED TO TEST).

*PASSED TEST (15/02/18): COMPENSATOR FOUND TO BE THE ROOT CAUSE OF THE FAILURE MODE, UNIT RETURNED TO MRO TO REJECT OFF THE SUSPECT COMPENSATOR S/A. PUMP PASSED TO FINAL INSPECTION.

Work Instructions:

MODIFICATION, REPAIR AND RECERTIFICATION.

Reason For Failure:

WORK ACCOMPLISHED

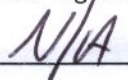
Svc Bulletin Incorporated

SB974800-29-02 REV 1, SB974800-29-03 REV 0, SB974800-29-04 REV 1

SB974800-29-05 REV 0.

Service Letters Inc		Status/Work Completed	
Mods Inc This Visit	H,K,L,N.	Mods Id'd on Name Plate	B,C,D,E,H,K,L,N.
Product Mod/Upgrd From	N/A	Product Mod/Upgrade To	N/A

APPROVALS

Stamp or Signature 	Date: 20 FEB 2018	Authorized Signature 	Date:
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SHIPMENT DETAILS

Ship to Customer	00017449	Bill to Customer	95853400		
Part Number:	974800	Model Number:	PV3-300-13L		
Serial Number:	G0210570	Serial Number Suffix			
Customer Part#:		Customer Serial #	G0210570	Suffix:	