

1. Approving Competent Authority/Country: 2.		3. Form Tracking Number: 00000000000010150859			Page 1 of 1	
DIRECTION GENERALE DE L'AVIATION CIVILE FRANCE		EASA FORM 1				
4. Organisation Name and Address: HS Aerospace DILON SAS 13-15 Bd Eiffel - BP 30 21604 - Longvic cedex - France Tel 33(0) 80 38 38 99 - Fax 33(0) 80 38 35 54						
6. Item:	7. Description:	8. Part No.:	9. Qty:	10. Serial No.	11. Status/Work:	
01	777 BLK 2 IDG	767146A	1	1455	REPAIRED	
12. Remarks: Unit was REPAIRED in accordance with CMM 24-21-11 Revision: 15 Rev. Date: NOV 22, 2022. CSN: 10008;TSN:88615.00;CSO:UNK;CSR:0;TSO:UNK;TSR:0.00 PRINTED FROM ELECTRONIC FILE						
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 release or return to service under certificate no. BD5Y749M						
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.						
13b. Authorised Signature:		13c. Approval / Authorisation Number		14a. ☒ Part-145.A.50 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 Part 145 and in respect to that work, the items are considered ready for release to service.		
13d. Name:		13e. Date (dd mm yyyy):		14b. Authorised Signature:  14c. Certificate / Approval Ref. No.: FR.145.0049		
14d. Name:		14e. Date (dd mm yyyy):		14e. Date (dd mm yyyy): 04 APR 2023		
USER / INSTALLER RESPONSIBILITIES						
This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority 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.						

1. Approving Competent Authority/Country CAA/JUK		2. AUTHORISED RELEASE CERTIFICATE CAA FORM 1		3. Form Tracking Number 000000000000010150868 Page 1 of 1	
4. Organisation Name and Address: HS Aerospace DIJON SAS 13-15 Bd Eiffel - BP 30 21804 - Longvic cedex - France Tel 33(0) 80 38 38 99 - Fax 33(0) 80 38 35 54				5. Work Order/Contract/Invoice 45395621 R406668	
6. Item	7. Description	8. Part No.	9. Qty.	10. Serial No.	11. Status/Work
01	777 BLK 2 IDG	767146A	1	1455	REPAIRED
12. Remarks Unit was REPAIRED in accordance with CMM 24-21-11 Revision: 15 Rev. Date: NOV 22, 2022. CSN:10008.TSN:68615.00.CSO:UNK.CSR:0.TSO:UNK.TSR:0.00 PRINTED FROM ELECTRONIC FILE					
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					
13b. Authorised Signature		13c. Approval / Authorisation Number		14a. ☒ Part-145.A.50 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 Part 145 and in respect to that work the items are considered ready for release to service.	
13d. Name		13e. Date (dd mm yyyy)		14b. Authorised Signature  14c. Certificate / Approval Ref. No. UK 145.01593	
13d. Name		13e. Date (dd mm yyyy)		14d. Name JEROME DURAND 14e. Date (dd mm yyyy) 04 APR 2023	
USER / INSTALLER RESPONSIBILITIES					
This certificate does not automatically constitute authority to install the item(s). Where the user/installer performs work in accordance with regulations of an airworthiness authority different than the airworthiness authority specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts items from the airworthiness authority 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.					

FINAL TEARDOWN REPORT



UTC Aerospace Systems

Customer A J WALTER AVIATION		Cust PO	R406668		Operator PO	
Input Part	767146A	Input Serial	1455	Qty	1.000	
Output Part	767146A	Output Serial	1455	Workscope	MNR REPAIR	
Cust Part		Cust Serial		Status/Work	REPAIRED	
Description	777 BLK 2 IDG	Removal Code		Failure Date		
Aircraft	B777-200	Engine Type	PW4090			
Incoming NSN	N/A	Outgoing NSN	N/A	Tail No	HL7700	
Date Rec'd	02/20/2023	Quote Date	03/30/2023	Accept Date	03/31/2023	
Ship Date		DOM		Last Order Date	12/19/2019	
Sales Order	120484289	Work Order	45395621	Notification	305068206	
Measuring Point:						
	Serial #	CSN	TSN	CSO	CSR	TSO
	TSR	TSI	CSI			
OUT	1455	10008	68615.00	UNKNOWN	0	UNKNOWN
					0.00	0.00
					0	
Technical Documents :						
Component Maintenance Manual 24-21-11 Revision: 15 Rev. Date: 11/22/2022						
Customer Reason for Return						
LEAKING						
Certification Type						
EASA DUAL RELEASE + CAA						
Configuration IN						
dot 1 to 8-11-13-14						
Configuration OUT						
dot 1 to 8-11-13-14						
Preliminary Inspection						
UNIT RECEIVED DISCONNECTED: NO						
ROTATION INPUT SHAFT: YES						
INPUT SHAFT SHEARED OFF: NO						
STATIC ELECTRICAL TESTS: FAILED						
STATIC LEAK TEST: PASSED						
ECR Flag? (Y/N)						
NO						

FINAL TEARDOWN REPORT



UTC Aerospace Systems

Work Order	45395621	Description	777 BLK 2 IDG	Date Rec'd	02/20/2023
Input Part	767146A	Input Serial	1455		
Cust Part		Cust Serial			
Incoming Functional Test Performed?(Y/N) YES					
Incoming Functional Test Failed? (Y/N) YES					
Removal Scheduled? (S/U/O) UNSCHEDULED					
Removal Induced Flag? (Y/N) NO					
Removal Reason Confirmed? (Y/N) YES					
Engineering Notes					
Evaluation Inspection TROUBLESHOOTING REVEALED THAT UNIT SUFFERED FROM ITS INPUT ASSEMBLY CARBON SEAL FACE COKED CAUSING EXTERNAL OIL LEAKAGE IN DYNAMIC CONDITION.					
Archive Box Number					
Customer Reason for Return LEAKING PLEASE REPAIR UNDER FIXED PRICE. TSN 68615.00; CSN 10008.00					
Primary Findings INPUT ASSEMBLY CARBON SEAL- SEAL FACE COKED					
Other/Secondary Findings OTHER ELECTRICAL BONDING- RESISTANCE HIGH					

Components :						
Order	Material	Description	Req Qty	Issued	Reason Code	Stor Loc
45395621	MS9276-10	TABWASHER	1	1	100% Replacement	NEW1
45395621	M83248/1-129	PACKING, O-RING	1	1	100% Replacement	NEW1
45395621	M83248/1-145	PACKING PREFORM	1	1	100% Replacement	NEW1

FINAL TEARDOWN REPORT



UTC Aerospace Systems

Work Order 45395621		Description 777 BLK 2 IDG	Date Rec'd 02/20/2023			
Input Part 767146A		Input Serial 1455				
Cust Part		Cust Serial				
45395621	5913251-4	SEAL, CARBON FACE	1	1	WEAR	NEW1
45395621	56486-5	RING, RETAINING	1	1	100% Replacement	NEW1
45395621	M83485/1-215	PACKING - PREFORMED	1	1	100% Replacement	NEW1
45395621	5913422	BEARING, BALL	1	1	100% Replacement	NEW1
45395621	3415-77P	RING, RETAINING	1	1	100% Replacement	NEW1
45395621	M83248/1-016	O-RING,RUBBER	1	1	100% Replacement	NEW1
45395621	767289-1	WASHER, KEYED	1	1	100% Replacement	NEW1
45395621	M83248/1-912	O-RING,RUBBER	1	1	100% REPLACEMENT	NEW1
45395621	M83248/1-910	O-RING, RUBBER	1	1	100% REPLACEMENT	NEW1
45395621	M83248/1-908	O-RING,RUBBER	1	1	100% REPLACEMENT	NEW1
45395621	M83248/1-906	O-RING,RUBBER,#906,.468 ID,.078W,FLC-75	1	1	100% REPLACEMENT	NEW1
45395621	MS90376-20Y	CAP DUST	2	2	NO CONFORMING	NEW1
45395621	MS90376-12Y	CAP, DUST	1	1	NO CONFORMING	NEW1
45395621	2408-93-12	PLUG, SHIPPING	1	1	NO CONFORMING	NEW1
45395621	2408-88-12	PLUG, SHIPPING	1	1	NO CONFORMING	NEW1
45395621	2408-81-12	PLUG, SHIPPING	1	1	NO CONFORMING	NEW1
45395621	2408-78-12	PLUG, SHIPPING	1	1	NO CONFORMING	NEW1
45395621	M83485/1-125	PACKING PREFORM	1	1	100% Replacement	NEW1
45395621	M83485/1-908	O-RING,RUBBER	1	1	100% Replacement	NEW1
45395621	M83485/1-904	PACKING - PREFORMED	1	1	100% Replacement	NEW1
45395621	M83485/1-904	PACKING - PREFORMED	1	1	100% Replacement	NEW1

FINAL TEARDOWN REPORT



Work Order 45395621		Description 777 BLK 2 IDG	Date Rec'd 02/20/2023			
Input Part 767146A		Input Serial 1455				
Cust Part		Cust Serial				
45395621	M83485/1-226	RUBBER, FLUOROCARBON ELASTOMER	2	2	100% Replacement	NEW1
45395621	5910398	FILTER ELEMENT, NON-CLEANABLE,	2	2	100% Replacement	NEW1
45395621	M83485/1-214	PACKING - PREFORMED	2	2	100% Replacement	NEW1
45395621	768164	GASKET	1	1	100% Replacement	NEW1
45395621	M83485/1-905	PACKING PREFORM	1	1	100% Replacement	NEW1

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