

1. Approving Civil Aviation Authority Country FAA/United States	2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form tracking Number: Repair Order #: 8171 Revision #:
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4. Organization Name and Address: Rotor-Tech International 6700 CE Dixon Street, Stockton, CA 95206, Certificate No. R4TR418N P (209) 546-0380 Fax: (209) 546-0383	5. Work order/Contract/Invoice Customer P.O. Number: R2021-77D
6. Item: 1. Main Rotor Blade	7. Description: C621A1006103
8. Part Number:	9. Quantity: 1
10. Serial/Batch Number: 2004	11. Status/Work: Repaired

12. Remarks:
 ECF.120.MR.01.101 Inspection EC 120 AMM 62-11-00, 6-1
 ECF.120.MR.01.107 Caulking of Separations on SS Abrasion Strip 3, EC 120 AMM 62-11-00, 8-7
 OB Edge, Upper and Lower Surface
 ECF.120.MR.01.102 Refinishing EC 120 AMM 62-11-00, 8-1
 ECF.SPM.RB.01.001
 ACS.SPM.RB.01.002
 ECF.120.MR.01.105 Static Balance

Rotor-Tech International 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 to release to service under EASA Part 145 Approval No. EASA.145.6948.

TSN: 6225.0

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, 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 No: R4TR418N
14d. Name (Typed or Printed) Ernesto Luna	14e. Date (dd-mm-yyyy) 03/Feb/2022

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 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.

DUPLICATE

Successive status and minor / major maintenance and overhaul operations

5

Contractor	Date	Aircraft Version and S/N	Hours			Operation			Cycles	Reason for transfer (code and symptoms)- Accomplished works - replaced parts
			Support	Partial	Total	Support	Partial	Total		
PAC	05/21/2019	120B 1491	4886.8	2491.0	5453.3				Removed from 374HS for reversion Send in for repair. <i>APR 30618827A</i>	
AHI	0ct/09/18	CRS-VV1R575K	=====	TSN: 5453.3	=====	====	====	====	Inspected blade per AMM 62-11-00, 6-1. Replaced L/S Poly IAW AMM 62-11-00, 8-3. Replaced weight support cover per AMM 62-11-00, 8-8. Rev. 00400. SB- 62-011 Rev 0. Paint finished per 62-10-00-882. Rev 004. AHI 19 Static balanced per 62-10-00-805 Rev 004. Detail on AHI 50#11000425084	
PAC	10/19/2019	120B 1491	4913.1	5453.3	6225.0	---	---	---	Installed on N374HS. <i>APR 30418827A</i>	
PAC	12-18	E-120 B	5684.8	7717	6225.0	---	---	---	REMOVED FOR DAMAGE UNDER JCN 374HS-2021-I-0001-0001 <i>APR 30376388A</i>	
PAC YUMA	2020	1491							UN Approvedly A/c to. <i>See by in Section B</i> <i>Cost of 100000</i>	
RTI	03/Feb/2022				6225.0				Inspected and repaired IAW EC 120 AMM 62-11-00, 6-1, 8-1, 8-7, and RTI/ ACS approved procedures, repaired separation on SS abrasion strip 3, outboard edge, upper and lower surface, refinished, and static balanced. <i>RTI RCR 817</i> FAA Repair Station No. R4TR418N, EASA.145.6948. <i>RTI 9</i>	

AIRBUS

OPERATION CONTROL TICKET

Notification: 100871276 Sales Doc/Line: 2999557 / 1000

Priority TYPE Customer Owned RP/OH AHI / AHCA Issue Date 08/29/2018 Start Date 08/29/2018 Finish Date 08/29/2018

COMPONENT			
SERVICE ORDER	MFG PART NUMBER	SERIAL NUMBER	VERSION
11000425084	C621A1006103	2004	EC120
QUANTITY	NOMENCLATURE	TSN:5453.3	TOTAL CYCLES
1 PC	MRB EC120	TSO:	

AIRCRAFT			
MODEL EC120	TTL TIME 4886.8	CUSTOMER	PAA AVIATION & TECHNIC
S/N 1491	REGISTRAT N374HS		

DESCRIPTION OF WORK TO BE PERFORMED
Inspected blade I.A.W. AMM 62-11-00,6-1 (Rev 00400). Replaced. L/S poly I.A.W. AMM-62-11-00,8-3 (Rev 00400) Replaced. Weight cover support I-A-W AMM- 62-11-00,8-8. (Rev 00400)SB 62-011 (Rev 0). Paint Refinished I.A.W.62-10-00-882 (Rev 004). Static balanced I.A.W. 62-10-00-805 (004).

Julio Lopez (2481) Date 10-9-18

I hereby certify that the repair, overhaul, or modification of this unit, as identified on its permanent SERVICE ORDER / PRODUCTION ORDER file, has been done in accordance with current regulations of the Federal Aviation Administration and manufacturers recommendations. This unit is approved for return to service. Pertinent details are on file at this repair station under authorization and a copy supplied to the customer.

Airbus Helicopters, Inc.

Repair Station No. VY1R575K



Signature: *[Handwritten Signature]* Date: OCT 09 2018

Note: No other work is to be performed other than those items listed on this SERVICE ORDER / PRODUCTION ORDER. If safety of flight items are discovered, contact writer so proper authorization can be obtained prior to performance of additional work.

1. Approving Civil Aviation Authority/ Country: FAA/ United States		<h1>AUTHORIZED RELEASE CERTIFICATE</h1> <p>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG</p>		3. Form Tracking Number: AE1828740	
4. Organization Name and Address: Airbus Helicopters, Inc. 2701 N. Forum Drive, Grand Prairie Texas 75052-7099		CRS VY1R575K		5. Work Order/ Contract/ Invoice Number: 11000425084	
6. Item: 1	7. Description: MAIN ROTOR BLADE	8. Part Number: C621A1006 103	9. Quantity: 1	10. Serial Number: 2004	11. Status/ Work: Repaired
12. Remarks: Maintenance Release: Airbus Helicopters, Inc. certifies that the part or component identified herein has been Repaired in accordance with Airbus Helicopters Manual: Inspected blade I.A.W. AMM 62-11-00,6-1 (Rev 00400). Replaced. L/S poly I.A.W. AMM-62-11-00,8-3 (Rev 00400) Replaced. Weight cover support I-A-W. AMM- 62-11-00,8-8: (Rev 00400)SB 62-011 (Rev 0): Paint Refinished I.A.W.62-10-00-882 (Rev 004). Static balanced I.A.W. 62-10-00-805 (004). Detail on AHI under SO#11000425084.					
TSN: 5453.3		TSO: Not Required Cycles: Not Required			
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.					
13b. Authorized Signature:		13c. Approval/ Authorization No.:		14c. Approval/ Certificate No.: CRS VY1R575K	
13d. Name (Typed or Printed):		13e. Date (dd/ mmm/ yyyy):		14d. Name (Typed or Printed): Xaybanha, John	
14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> 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.		14e. Date (dd/ mmm/ yyyy): 09/ Oct/ 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.					
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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.					

014 Maintenance Record

Work Order: 374HS-2021-1-0001-0001

048 Maintenance Site	048 Status	048 Discovered Date	When Discovered
Yuma	-	12/18/2020	Due Items

Air Branch/Unit: Yuma Discovered Date: 12/18/2020

Discovered by: (First/Last) Pablo Moreno Flight Hours: 5684.8

ATA Code: 62000 Main Rotor System Status: -

Inspection Task#: Repeat Discrepancy #:

JCN Description: Comply with 500 hour inspection in reference to MSM 05-22-00 on two Main Rotor blades part number: C621A1006103, serial numbers: 2004 and 2007.

IP Inspection Description:

IP Inspected By:

Malfuction Code: Due Service/Maintenance

Inspected

Action Taken Code:


Maintenance Action: Complied with 500 hour inspection IRT MSM 05-22-00 Rev. 2020.03.09, AMM 62-11-00, 6-1 Rev. 2018.03.15, AMM 62-11-00, 6-8 Rev. 2006.05.12, AMM 62-11-00, 6-7 Rev. 2007.05.18. Found blade P/N: C621A1006103 S/N: 2004 to be un-airworthy per AMM 62-11-00, 6-8 Zone B, and found blade P/N: C621A1006103 S/N: 2007 to be un-airworthy per AMM 62-11-00, 6-7 Zone A (item 1 and 4). Both blades will need to be sent out for repairs.

The Maintenance Action involves a Required Inspection Item per SOI TS-CBP-9008 Rev. 10 Yes No

Date Corrective Action Completed: 12/18/2020

Act/Equip Hours: 5684.8 FOD/Tool Check Complete:

Work Performed By: Matthew Sargent C AP3849636 Inspected By: Pablo Moreno C AP27890161A



The Inspector certifies the aircraft/article is airworthy with respect to the maintenance, preventive maintenance, or alterations listed and performed under the privileges of FAA Part 145 when a CRS Number has been provided.

For Official Use Only

Print

621001

Fiche n° 1
Log Card n°

FICHE MATRICULE / LOG CARD *

Fiche suisseuse Matériel neuf Equipment record card New-equipment *

1 Identification du matériel Material identification

Dénomination PALE ROTOR PRINCIPAL
Name Main Rotor Blades

Nomenclature OTAN
NATO Nomenclature

Référence EC C 621A 1006103
EC Part Number

Référence fabricant Code OTAN fabricant F 0210
Manufacturer's Part number NATO Manuf code

Configuration de livraison Version
Delivery configuration

Numéro de série 2004 Amendements
Serial number *Amendements*

Fabricant EUROCOPTER Type
Supplier *Type*


Marché ou commande Contract or order

3 Garantie Guarantee

Matériel <i>Material</i>	Date de livraison <i>Date of delivery</i>	Durée garantie de stockage <i>Guarantee storage period</i>	Date de mise en service <i>Service date</i>	Durée Garantie de fonctionnement <i>Guarantee operation period</i>
Fab / Man				

4 Renseignements Particuliers Special information

Di : - 11' Tabs. : 0° / +1° / +1° / +1° / +1° / 0° / 0°

L. Edge No.1 Weight 248.3 grs. 

Réglée suivant standard (Standard balancing)


Limite de fonctionnement Operating limit

Limite de vie Life limit

* Rayer la mention inutile * Delete as necessary

6 Contrôle d'exécution des modifications et des Services Bulletins

Modification and Services Bulletin checcching

Numéro N°	Nature de la Modification Type of modification	Unité ou Société d'Exécution Performing Unit or contractor	Date d'exécution et tampon de contrôle Performing date Inspection stamp	Fonctionnement Operation			Attestation / Certif. 
				Support Support	Partiel Partial	Total Total	
SB-62-011.Rev.1.0.	-	AHI	0ct/09/2018.			0 heure	Fab/Manif. Récep/Receipt Destockage/Depreservation V. EP/Periodic Overhaul AS Montage/Fitting CE
E.C	18/04/2007						
FC	05/07	OH		OH			

Positions successives et opérations d'entretien et de remise en état mineures et majeures

Successive status and minor/major maintenance and overhaul operations

Unité ou Société Contractor	Date	Version et No Appareil Aircraft Version and S/N	Fonctionnement / Operations					Motif du mouvement (code symptômes) - Travaux effectués - Pièces changées Reason for Transfer (code and symptoms) - Accomplished work - Replaced parts
			Unité / Unity : Support	Unité / Unity : Partial	Unité / Unity : Total	Unité / Unity : Support	Unité / Unity : Partial	
EC	06/01	EC120B 1490	2430		2430			TABS NO 6: + 2°, NO 7: + 1° AS OB INSPECTED TABS TWICE - SOUTH TAIL NO DEFLECTION
DS2 YAMA	5/28/10	EC120B 1490	1502.2		1504.7			REMOVED BLADE FROM THE 3731HS 301490 FOR USE ON THE 1756B IN STEAD OF THE 2022HS 30017001
DS2 YAMA	5/28/10	EC120B 1412	1944.7		1504.7			REMOVED WIRE BLADE #10204 ON AC 1756B 301742.
DS2 YAMA A2	6/22/10	EC120B 1412	1994.4		1556.9			REMOVED THE INSTAD ON 3731HS ASSEMBLY 2734231 4P/FA
DS2 YAMA A	6/22/10	EC120B 1490	1502.2		1556.9			INSTALLED SERVICEABLE WIRE BLADE ON 3731HS ASSEMBLY 2734231 4P/FA
DS2 YAMA	10/26/10	EC120B 1490	2012.6	447	2072.5			REMOVED WIRE BLADE S/N 2004 FOR REPAIR 500 THE INSPECTION DUE. ASSEMBLY 2734231 4P/FA
BCL AEC	Feb/08/2011 25 Feb 11	----- CRSMVY1R575K	----- -----	----- -----	2072.5 2072.5	----- -----	----- -----	Leading edge No. 1 replaced IAW MRY 62.10.00.831 Rev 09-19 W/O BR2011000 Inspected. Replaced lower surface poly strip. Replace weight cover. Refinished paint. Static balanced. Details on file under SO# 110000204
DS2 YAMA A2	MAR 7 2011	EC120B 1491	1506.0	ACFT	2072.5			INSTALLED ON 1756HS ON 1491 DURING THE 1500 THE INSPECTION. ASSEMBLY 2734231 4P/FA
DS2 YAMA A2	4/1 2011	EC120B 1491	1510.2		2076.7			BY KIMBALL ON THE 2037HS IMPROVED THE THE TEST FOR AIR OVERSPEED 460 RPM. 110055.000 6-1. IN DEFLECT WORK.
DS2 AEC	12-26-13 01-14-13	EC120/1491 CRSMVY1R575K	2395.8		2462.3			REMOVED FROM ACFT 3741HS AND SENT TO INSPECTED PER 62-11-00, 6-1 Rev 032. Performed deflection test per 11-00 6-14 Rev 032. P1899 sent in sue to overtorque. Detailson file at AEC under SO# 11000128316.
DS2	1-15-2013	EC120/1491	2395.8		2462.3			
PAC	6-21-2018	EC120/1491	4531.4	2485.6	5397.9			INSTALLED ON ACFT 3741HS AND SENT TO INSPECTED PER 62-11-00, 6-1 Rev 032. Performed deflection test per 11-00 6-14 Rev 032. P1899 sent in sue to overtorque. Detailson file at AEC under SO# 11000128316.

AEC 70

AEC 13

AEC 13

Installed on ACFT 3741HS and sent to
inspected per 62-11-00, 6-1 Rev 032. Performed deflection test per
11-00 6-14 Rev 032. P1899 sent in sue to overtorque. Detailson file
at AEC under SO# 11000128316.

ASSEMBLY 2734231 4P/FA