



eurocopter

EUROCOPTER

AIRCRAFT TYPE : EC 120 B

SERIAL N° : 14 0 3

REGISTRE INDIVIDUEL DE CONTROLE
INDIVIDUAL INSPECTION LOG BOOK

Aircraft Information: N421PB, Eurocopter EC120B, S/N 1403

Date: February 6, 2020

AFTT Hours: 1382.3

Accomplished the following requirements as required by the Eurocopter Aircraft Maintenance Manual:

- 15 Hour/7Day AMM 05-20-00
- 100 Hour Inspection in accordance with AMM 5-21-01.
- 12 Month Inspection in accordance with AMM 5-21-02.
- 100 Hour / 12 Month Inspection in accordance with AMM 5-2-00.
- 500 Hour Inspection in accordance with AMM 5-22-01.
- 24 Month Inspection in accordance with AMM 5-22-02.
- 500 Hour / 24 Month Inspection in accordance with AMM 5-22-00.
- 1500 Hour / 72 Month Air conditioner belt replacement p/n 4PK730
- 400 Hour Fuel manifolds replacement, Preference injector p/n 0319730440, Right injection manifold p/n 0319730410, Left injection manifold.

Accomplished the following Airworthiness Directives & Service Bulletins

- AD 2010-05-51 dated 3-20-01 "Main rotor hub" ASB 05A012
- AD 2016-12-13 Engine/Transmission Coupling-- Coupling Tube, Engine Mount, and Engine Mount Base. ASB 05A003.
- AD 2018-12-03 Fuel Controlling System, Fuel manifolds replacement, Preference injector, Right injection manifold, Left injection manifold.
- EASB 05A020 Check of the tail hub body. No defects noted.
- Service Bulletin 05-004 Rev. 0 dated 7-24-00 "Check Horizontal Stabilizer Drain Holes" as per paragraphs 2.B.1 & 2.B.2. Recurring at the next 500 Hour / 24 Month inspection.

Accomplished the following Additional Inspections & Maintenance:

- Complied with following 12 Month Inspections as required by the Instructions for Continued Airworthiness.
Artex ELT-200HM ICA ELT200HM-EC120B Rev. IR dated 6-12-00
- 12 Month Inspection and Operational Check of the Emergency Locator Transmitter as required by FAR 91.207(d).
- Serviced Tail Rotor Gearbox and Main Rotor Gearbox with Royco 586M. Installed new Oil Filter p/n 7050A3632296 for main rotor gearbox.
- Installed new hydraulic filter p/n 818131 and serviced hydraulic oil with Royco 83282.
- Replaced tail rotor input shaft seal p/n BAFVIUDSLSFDRXLX3.
- Replaced engine mount hinge yoke p/n C714A1104201, special bolt p/n C714A1112202, special bolt C714A111202, p/n BLOW (rubber boot) p/n 3.21.897, spring washer (3ea) p/n 170936.
- Installed new engine oil filter CH0846101432N00.
- Installed new engine oil filter CA00594A.
- Installed new FCU filter p/n CH0203103411000.
- Main and tail rotor track & balance performed, all regimes within limits.
GRD LAT: 0.103 HOV LAT: 0.036 FLT LAT: 0.069 T/R: 0.173
GRD VRT: 0.069 HOV VRT: 0.024 FLT VRT: 0.072
- Engine power assurance check: T4 MARGIN -64C* GOOD
TRO MARGIN +6.4% GOOD
- Re-Attached Front Floor to belly pan closeouts L/R/Center.
- Repaired Chafing at Cabin roof to forward upper cowl and installed chafe tape.
- Cleaned and Re-Finished MRB lower skins as required (touch up paint and wax)
- Performed Battery Cap Check and Top Charge.
- Performed 100 Hr./ 12Mo. Lubes Main Rotor Hub, Droop Ring, Blade Pines, Swashplate, TR Shaft Hangar Bearing, Seat Rails, Door Hinges, Cowling Latches, Cables.
- IAW FAR 43.13.2B & UAvionix Install Instructions UAV-1001421-001 replaced White Tail Light with U-Avionix "TailBeacon"/LED Light. (TSO-C30c) (SSID Beacon-8FFE, Password: IdentStall), Placed Placard on Switch Panel at Nav Lights Switch. Requested ADSB Performance Report. Results Satisfactory.

Operational checks and leak checks have been performed with no defects noted. This is to certify that the aircraft has been inspected in accordance with the above listed inspections as required by FAR 91.409(f)(3) and the aircraft is approved for return to service relative to the work performed.

Mark Boye

APIA

Aircraft Information: N421PB, Eurocopter EC120B, S/N 1403

Date: February 18, 2021 **AFTT Hours:** 1432.7

Accomplished the following requirements as required by the Eurocopter Aircraft Maintenance Manual:

- 15 Hour/7 Day IAW AMM 05-20-00.
- 12 Mo./100 Hour Inspections IAW AMM 5-21-01 AMM 5-21-02
- 100Hr./12Mo. IAW AMM-5-2-00
- Installed New POH Dated October 7, 2020 Per AB Service Letter

Accomplished the following Airworthiness Directives & Service Bulletins & Inspections/Repairs

- AD 2016-12-13 dated 3-20-01 "Main Gearbox Coupling Tube Inspection" as per paragraph A and as per ASB 05A003. No defects were noted. 25 Hour Interval Next Due: 1457
- AD 2010-05-51 dated 14-May-2010 Maint Rotor Hub Inspection. No Discrepancies Noted IAW SB05A012. Next due 1447 (15 Hours)....
- AD-2020-11-05 dated 8-Jun-20 IAW 05A020 inspected Tail Rotor Hub Body, No Discrepancies Noted. Next due 1447 (15hr.)
- AD 2020-25-11 Dated Jan 21 2021 IAW 52A018 Inspected Sliding door mechanism NDN, NA Due to P/N
- Service Bulletin 05-004 Rev. 0 dated 7-24-00 "Check Horizontal Stabilizer Drain Holes" as per paragraphs 2.B.1 & 2.B.2. Recurring at the next 500 Hour / 24 Month inspection.
- Cleaned then re-installed wiring connections at Horizontal Firewall in engine bay.
- Evaluated Start/Stop ElectroValve for proper operation IAW 73-14-01.
- Performed Battery Cap Check and Top Charge.
- Performed 100 Hr./ 12Mo. Lubes Main Rotor Hub, Droop Ring, Blade Pines, Swashplate, TR Shaft Hangar Bearing, Seat Rails, Door Hinges, Cowling Latches, Cables.
- Performed 91.207 12 mo. ELT Test. Results Sat. ARTEX ELT-200HM
- Serviced TR & MR Gearboxes w Royco 586M. New Oil Filter.
- Installed New Hydraulic Filter & serviced w Royco 83282.
- Changed Engine Oil Filters
- Changed FCU Filter
- Engine Power Checks T4 Margins GOOD

Operational checks and leak checks have been performed with no defects noted. This is to certify that the aircraft has been inspected in accordance with the above listed inspections as required by FAR 91.409(f)(3) and the aircraft is approved for return to service relative to the work performed.

Mark A Boyer

APIA

Engine: Turbomeca, Arrius 2F, s/n 34455

Date: February 18, 2021 **AFTT Hours:** 1432.7 **Engine Hours:** 1432.7

Accomplished the following requirements as required by the Turbomeca Arrius 2F Maintenance Manual.

Accomplished the following Airworthiness Directives & Service Bulletins

7 Day 15 Hour Inspection IAW 05-20-10
100 Hr. / 12 Mo. IAW 05-20-10 Power Assurance Checks Good
150 Hr. / 24 Mo. IAW 05-20-10
New Oil Filters, Fuel Filter
New FCU Filter

Operational checks and leak checks have been performed with no defects noted. This is to certify that the engine has been inspected in accordance with the above listed inspections as required by FAR 91.409(f)(3) and the engine is approved for return to service relative to the work performed.

4TT 1435.6 TT Hobbs 183.3

N421PB

CUSTOMER: Black Wolf Air LLC

AIRCRAFT TYPE EC120B

DATE: 2/18/21

Hobbs Correction Applied ACFT HRS: 1432.7

ENGINE HOURS #1 TTSN: 1432.7

ENGINE HOURS #1 TSO: 0.0

Last Landings 7074

HISTORICAL DATA

REGISTRATION NUMBER: N421PB

S/N: 1403

ENG Arrius 2F S/N: 34455

ENG. NG CYC: 1310.65

add 1996.7 NG ADD— 311.4

ENG. NF CYC: 2486.05

add 1999.25 NF ADD— 486.8

Last Flight # 2977

Add Landings 30

New Ldg Total 7104

COMPONENT DESCRIPTION	PART NUMBER	SERIAL NUMBER	TYPE MAINT REQUIRED	SERVICE LIFE	A/C TIME / DATE AT INSTALL	TIME SINCE NEW/O/H/R AT INSTALL	COMPLIANCE DUE AT A/C HOURS OR DATE	COMP TIME OR DAYS SINCE NEW/O/H/INSP	TIME / DAYS REMAINING	REMARKS	% OF TIME REMAINING
AIRFRAME COMPONENTS SLL/CHK Chapter 04-10-00											
LH Anti-Torque Fitting Assembly	C533C3207101	2001439	Ret CYC	82000	0.0	0.0	82000.0	7074.0	74926.0		91%
RH Anti-Torque Fitting Assembly	C533C3206101	2001395	Ret CYC	82000	0.0	0.0	82000.0	7074.0	74926.0		91%
L-F MGB Fitting assembly	C533C3204103	2001433	Ret HR	20000	0.0	0.0	20000.0	1432.7	18567.3		93%
R-F MGB Fitting assembly	C533C3203103	2001432	Ret HR	20000	0.0	0.0	20000.0	1432.7	18567.3		93%
Rear MGB Fitting assembly	C533C3205102	2001738	Ret HR	20000	0.0	0.0	20000.0	1432.7	18567.3		93%
Rear MGB Fitting assembly	C533C3205102	2001820	Ret HR	20000	0.0	0.0	20000.0	1432.7	18567.3		93%
MR Blade (02 type 1A)	C621A1006103	1569	Ret HR	20000	3.0	0.0	20003.0	1429.7	18570.3		93%
MR Blade (02 type 1A)	C621A1006103	1584	Ret HR	20000	3.0	0.0	20003.0	1429.7	18570.3		93%
MR Blade (02 type 1A)	C621A1006103	1592	Ret HR	20000	3.0	0.0	20003.0	1429.7	18570.3		93%
Main Rotor Hub	C622A1002104	M151	Ret HR	6400	0.0	0.0	6400.0	1432.7	4967.3		78%
Scissors drive, equipped	C622A1003103	MAP239	Ret HR	20000	0.0	0.0	20000.0	1432.7	18567.3		93%
Lower Damper Fitting Blue	C622A1006104	M800	Ret HR	5200	0.0	0.0	5200.0	1432.7	3767.3		72%
Lower Damper Fitting Red	C622A1006104	M808	Ret HR	5200	0.0	0.0	5200.0	1432.7	3767.3		72%
Lower Damper Fitting	C622A1006104	M840	Ret HR	5200	0.0	0.0	5200.0	1432.7	3767.3		72%
Upper Damper Fitting	C622A1007104	M938	Ret HR	4100	0.0	0.0	4100.0	1432.7	2667.3		65%
Upper Damper Fitting Blue	C622A1007104	M943	Ret HR	4100	0.0	0.0	4100.0	1432.7	2667.3		65%
Upper Damper Fitting Red	C622A1007104	M945	Ret HR	4100	0.0	0.0	4100.0	1432.7	2667.3		65%
Spherical bearing - Metallic Part	7050A3622022	1211	Ret HR	7500	0.0	0.0	7500.0	1432.7	6067.3		81%
Spherical bearing - Metallic Part Red	7050A3622022	1215	Ret HR	7500	0.0	0.0	7500.0	1432.7	6067.3		81%
Spherical bearing - Metallic Part Blue	7050A3622022	1228	Ret HR	7500	0.0	0.0	7500.0	1432.7	6067.3		81%
Upper sleeve flange Red	C622A2008101	M1095	Ret HR	11000	0.0	0.0	11000.0	1432.7	9567.3		87%
Upper sleeve flange Blue	C622A2008101	M735	Ret HR	11000	0.0	0.0	11000.0	1432.7	9567.3		87%
Upper sleeve flange	C622A2008101	M736	Ret HR	11000	0.0	0.0	11000.0	1432.7	9567.3		87%
Lower sleeve flange Blue	C622A2009101	M932	Ret HR	11000	0.0	0.0	11000.0	1432.7	9567.3		87%
Lower sleeve flange	C622A2009101	M942	Ret HR	11000	0.0	0.0	11000.0	1432.7	9567.3		87%
Lower sleeve flange Red	C622A2009101	M953	Ret HR	11000	0.0	0.0	11000.0	1432.7	9567.3		87%
Pitch Control Horn	C622A2002103	SD666	Ret HR	11400	0.0	0.0	11400.0	1432.7	9967.3		87%
Pitch Control Horn	C622A2002103	SD706	Ret HR	11400	0.0	0.0	11400.0	1432.7	9967.3		87%