



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject :	No.	WO/092-PK-SNX/X/2023
Inspection 10 FH and EI-011	Date	04-October-2023
	A/C Reg.	PK-SNX EC130T2-8829
Reference :	Prepared By	TS
MP EC 130 T2 Rev. 2	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Inspection 10 FH Add Task EI-011 Due at 940 FH
2. Make an entry in Maintenance Log.
3. Return the Completed Work Order and Form to PPC.

#If any finding, please close the routine card, and transferred to inspection card.

Additional Work :

✓

Compliance Statement <i>%</i>	Sign & Date <u>W Oct. 2023</u> Company Lic. No.: <u>SCA-22</u> <i>Em. P</i> (Engineer In Charge)	Signature <i>JMW</i> (Technical Manager)
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AIRCRAFT CHECK WORK SUMMARY
(Form: SCA/MTC/051)

DATE OF ISSUED	JW/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
4-October-2023	WO/092-SNX/X/2023	10 FH Task EI-011	OCT-10-2023
A/C Type EC 130 T2		Mfg. Serial Number 8829	A/C Registration PK-SNX
AIRCRAFT DATA			
Subject Engine	Pos # #1	Serial Number (SN) 53467	TTSN/TCSN 84051 / 2309
	#2	-	
Propeller/Rotor	#1	-	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		
PACKAGE COVERED			
No	Subject	Qty	Remark
1	Non-Routine Card	1	
2	Inspection Card	1	
3	Work Order	1	
4	Summary Inspection List	1	
5	Material and Tool List	1	
6	Escalation form	-	
7	CRS (SMI / Unscheduled Maintenance)	-	

INSPECTION CARD (IC) LIST (Finding during maintenance)

No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
IC-001					
IC-002					
IC-003					
IC-004					
IC-005					
IC-006					



SUMMARY INSPECTION ITEMS
(Form: SCA/MTC/050)

WO Ref: **WO/092-PK-SNX/X/2023**

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	Appendix B001	10FH // 7D Inspection	10/10/23	-	Imusa	
2	Appendix F001	ALS Inspection 10 Hours	10/10/23	-	Imusa	
3	NRC#1	EI-011/TEK-TS/II/2022 Visual Inspection of rear transmission bearing support – ASB EC130-05A039	10/10/23	-	Imusa	



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE
SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: EC-130 T2	TTSN	: 940 : 51
A/C REG	: PK-SNX	TCSN	: 2309.
MSN	: 8829	DATE	: OCT-10 '23

TYPE OF INSPECTION	: INSPECTION 10 FH Add Task EI-011
DUE AT	: 940 FH
REF	: MP EC 130 T2 Rev. 2

EXCEPTION

ur

AUTHORIZED PERSON

I hereby certify that this aircraft has been maintained accordance with CASR and Maintenance Program.
Aircraft safe and airworthy for flight

NAME	CAT	AMEL/OTR NO	SIGN&STAMP	DATE
<i>Inusza</i>	AIRFRAME & POWER PLANT	2098		<i>10/10/23</i>
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 15 FH

DUE AT : 948,00

Form: SCA/MTC/049

NON ROUTINE CARD

(Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/092-PK-SNX/X/2023	04 October 2023	INSPECTION	PK-SNX/8829
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
01	-	-	-
9. ZONE	10. PANEL	-	

11. DESCRIPTION

**PERFORM EI-011/TEK-TS/II/2022 VISUAL INSPECTION OF THE REAR TRANSMISSION BEARING SUPPORT
ASB EC130-05A039**

REFERENCE	<input type="checkbox"/> Engine Maintenance Manual	<input checked="" type="checkbox"/> ASB EC130-05A039	<input type="checkbox"/> OTHER
RII (*)	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	MHR :

12. RESULT				MECH	ENG	INSP ()
Performed at A/C TT : A/C TC /LDG :						
FINDING	<input type="checkbox"/> Y	<input type="checkbox"/> N	ACT MHR :	DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #						

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING INSTRUCTION

011/TEK-TS/II/2022

Rev. No Original

Rev. Date 16 Feb 2022

**SMART AVIATION
ENGINEERING INSTRUCTION**

5. Tools Required.

Light Source Cutter

6. Publications Affected.

None.

7. Accomplishment Instructions.

Description	Eng.	RII	Remarks
Visual inspection of the upper bearing support area (Figure 3, Details D, E and F)			
- Make sure that there is no missing, loose or sheared rivet (b) or (d) on the rear transmission bearing support (a) with the light source.	Amwan	N/A	Good
- Make sure that there is no visible cracks on the skin in the rivets areas with the light source.	Amwan	N/A	Good
Visual inspection of the lower bearing support area (Figure 3, Detail B)			
- Make sure that there is no missing, loose or sheared rivet (b) on the rear transmission bearing support (a) with the light source.	Amwan	N/A	Good
- Make sure that there is no visible cracks on the frame and on the skin in the rivets areas with the light source.	Amwan	N/A	Good
NOTE: 1. If there is no missing, no loose and no sheared rivet and no crack continue to final step 2. If there is at least one missing, loose or sheared rivet order to Airbus 3. If there is a crack, Stop the flights, and inform Airbus Helicopters		N/A	
- Close and lock the battery door.	Amwan	N/A	Good
- Close and lock the tailboom fairing.	Amwan	N/A	Good
- Remove appropriate access equipment. - Continue the flights.	Amwan	N/A	Good

*** END OF THE TASK ***



TECHNICAL SUPPORT
TECHNICAL DEPARTMENT
ENGINEERING INSTRUCTION

011/TEK-TS/II/2022

Rev. No Original

Rev. Date 16 Feb 2022

**SMART AVIATION
ENGINEERING INSTRUCTION**

RETURN TO SERVICE

I hereby certify that the aircraft has been inspected regarding the CAL-61-05 with applicable supported approved data and met the requirements as set forth with the Indonesia Civil Aviation Safety Regulation and it is approved for return to service.

Name : Inosa

Signature : Bm

- END -

Attachment Material If Required:

2.C. EQUIPMENT OR PARTS REQUIRED PER HELICOPTER/COMPONENT

Equipment or parts to be ordered separately:

Key Word	Qty	New P/N	Item	Old P/N →	Instruction
Rivet	AR	ASNA2049DCJ3208	1	ASNA2049DCJ3208	Replace if necessary
Rivet	AR	21215DC3209J	2	21215DC3209J	Replace if necessary

Consumables to be ordered separately:

As per Work Cards and Tasks indicated in this ALERT SERVICE BULLETIN and list below:

Key Word	Qty	P/N	CM	Item
Plexiglass protection or equivalent	AR	Commercial	/	3

You can order the consumables from the AirbusWorld Marketplace through e-ordering (IN 3481-I-00).
If you cannot get access to e-ordering, please contact your Logistic Focal Point.

Special tools:

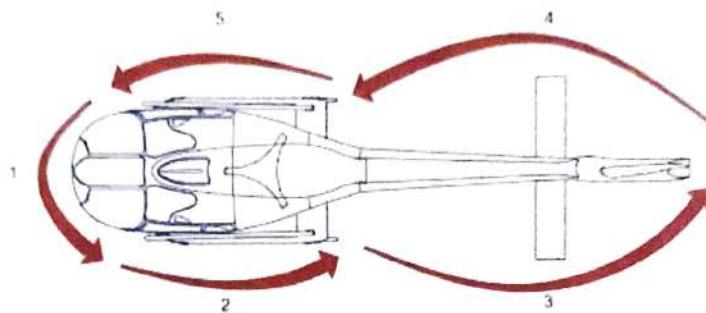
Refer to the Table below.

Key Word	Qty	Tool P/N or equivalent	Item
Light source Cutter	1	Off the shelf Off the shelf	zz yy

Appendix A003 – P Check

Reg. Mark : PK -
 Date : Oct. 10. 2023

Station : NPAx
 AFML No : SNX-231010-004



ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
STATION 1					
PC001	Door jambs, canopy arches. Condition, no cracks.	✓	PC003	Sideslip indicator. Condition.	✓
PC002	Pitot tube. Condition, cover removed or fitted as necessary.	✓		MGB - Engine oil cooler air inlet. Condition, no obstruction or foreign bodies, blanking cover removed or fitted as necessary.	✓
STATION 2					
PC005	Front door jettison system Condition, no cracks (especially at the link).	✓	PC019	Rear cargo door Closed and locked.	✓
PC006	Left cabin access doors Condition, attachment, locking, no abnormal play.	✓		LH side MGB and engine cowlings Opening, condition of locking systems, no abnormal play.	✓
PC007	Landing gear Condition of crosstubes, skids, resistant plates, footstep attachment.	✓	PC021	Upper cowlings Locked.	✓
PC008	Static pressure ports Condition, blanks removed or fitted as necessary.	✓		PC022	NACA air inlet No obstructions (clean if necessary).
PC009	OAT probes Condition, attachment.	✓	PC023	MGB Condition, oil level, no leaks.	✓
PC010	Antennas under bottom structure Condition.	✓		PC024	Transmission deck Cleanliness.
PC011	Landing and taxiing lights Condition.	✓	PC025	MGB support bars Condition, attachment.	✓

Appendix A003 – P Check

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC012	Scoop Condition, cleanliness.	/m	PC026	Hydraulic system (LH side) Condition, attachment points, pipes, filter clogging indicator retracted, no leaks.	/m
PC013	Lower cowlings Condition, secured.	/m	PC027	Servos Attachment, no leaks or cracks.	/m
PC014	Left cargo door Opening, condition, attachment points, no abnormal play.	/m	PC028	Gimbal ring assembly Fitting, safety pins in place and locked.	/m
PC015	Left cargo door Closed and locked.	/m	PC029	Electrical harnesses Condition, attachment.	/m
PC016	Rear cargo door Opening, condition, attachment points, no abnormal play.	/m	PC030	Fuel shut-off valve Condition, attachment, no interference.	/m
PC017	Rear cargo bay FADEC secured and harness condition.	/m	PC031	MGB cowling (LH side) Closed and locked.	/m
PC018	KANNAD INTEGRA AP-H Emergency Locator Transmitter Condition, security, check "ARM" or "OFF" as necessary.	/m	NOTE If the aircraft is grounded for a long period (more than 2 months), set the switch on the ELT to the "OFF" position.		
STATION 2 – ENGINE AND ENGINE BAY					
PC032	Engine air intake Attachment: condition, seal condition.	/m	PC038	Fuel filter Clogging indicator retracted.	/m
PC033	Firewall Condition, no cracks.	/m	PC039	Oil system No leaks.	/m
PC034	Engine and accessories General condition, cleanliness, leak-tightness, attachment, pipes, electrical harness.	/m	PC040	Engine mounts Condition, attachment.	/m
PC035	Engine transmission deck Condition, cleanliness, no leaks.	/m	PC041	Engine deck drain holes No obstructions or debris.	/m
PC036	Engine casing Attachment flange condition.	/m	PC042	Exhaust pipe Condition, blanking cover removed or fitted, as necessary.	/m
PC037	Oil filter Clogging indicator retracted.	/m			
STATION 3					
PC043	Tail boom Condition, condition of antennas.	/m	PC048	TRH fairing Condition, damage or cracks, no rotations (paint marks).	/m
PC044	Drive shaft fairings Attachment, condition of heat shield.	/m	PC049	Tail rotor duct Condition, check distance between blade tips and duct.	/m

MAINTENANCE PROGRAM

AIRBUS HELICOPTERS EC 130 T2

Appendix A003 – P Check

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC045	Tail boom door Opening, attachment, bay condition, closed.	/m	PC050	Tail rotor blades, visible part Condition, no impact, damage, scratches, erosion. Check play.	/m
PC046	Horizontal stabilizer, fin Condition, attachment points, condition of external lights and fin antennas.	/m	PC051	Freewheel Make the freewheel turn by turning the tail rotor. The free turbine must be driven when the tail rotor is turned anti-clockwise. In the clockwise direction, the freeturbine does not drive.	/m
PC047	Keel, tail guard Condition, attachment.	/m			
STATION 4					
PC052	TGB Condition, attachment, oil level.	/m	PC055	Horizontal stabilizer, fin Condition, attachment points, external light condition.	/m
PC053	Guide vanes, duct Condition.	/m	PC056	Tail boom Condition, condition of antennas.	/m
PC054	Tail rotor pitch change control rod Condition, attachment, no radial play in end- fitting.	/m	PC057	Drive shaft fairings Attachment, condition of heat shield.	/m
STATION 5					
PF058	NACA air inlet No obstructions (clean if necessary).	/m			
STATION 5 – ENGINE AND ENGINE BAY					
PC059	Engine air intake Attachment: condition, condition of seals. Blanking cover removed or fitted, as necessary.	/m	PC065	Engine magnetic plugs - No chips on aft or forward plugs (without electrical indication).	/m
PC060	Firewall Condition, no cracks.	/m	PC066	Engine mounts Condition, attachment.	/m
PC061	Engine and accessories General condition, cleanliness, leak-tightness, attachment, pipes, electrical harnesses.	/m	PC067	Engine deck drain holes No obstructions or foreign bodies.	/m
PC062	Engine transmission deck Condition, cleanliness, no leaks.	/m	PC068	Engine cowling Closed and locked.	/m
PC063	Engine casing Attachment flange condition.	/m	PC069	Nozzle Blanking cover installed or removed as necessary.	/m
PC064	Oil system No leaks.	/m			
STATION 5 – MAIN ROTOR SHAFT					

Appendix A003 – P Check

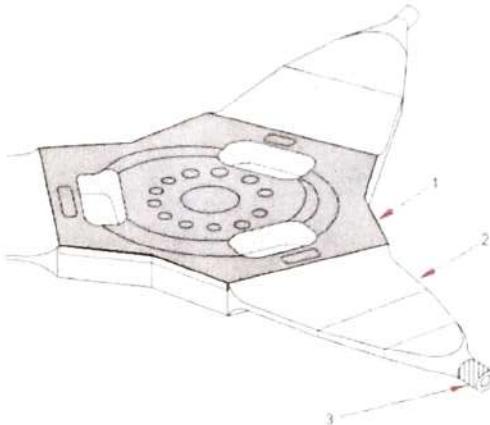
ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC070	Swashplate bearing No grease runs, no change in paint color or paint flaking.	/m	PC078	Visible part of the Starflex Star (1) arm (2): • no delamination, condition of the paint. If in doubt or damage is found (AMM 62-21-00,6-1). • Bushings (3) at the end of the arms of the STARFLEX (1) No gap between adhesive bead and bushing. If in doubt or damage is found (AMM 62-21-00,6-1).	/m
PC071	Scissors, swashplates, rod swivel bearings Condition, attachment, abnormal play (manual check).	/m	PC079	Spherical thrust bearings No elastomer damage, delamination, splits, blisters, extrusions or cracks (other than minor and unchanging surface irregularities), elastomer protuberance at the laminated area/small reinforcing structure interface.	/m
PC072	Swashplate/pitch change rod end-fitting – interfaces No impact mark or paint flaking on swashplate attachment yokes.	/m	PC080	Frequency adapters (PRE MOD 076232) If in doubt or damage is found (AMM 62-21-00,6-4). No elastomer damage, delamination, splits, blisters, extrusions or cracks (other than minor and unchanging surface irregularities). If in doubt or damage is found (AMM 62-21-00,6-7).	/m
PC073	Pitch change rods Condition, no radial play in end-fittings.	/m	PC081	Ventilated frequency adapters (POST MOD 076232) No elastomer damage, delamination, splits, blisters, extrusions or cracks (other than minor and unchanging surface irregularities). If in doubt or damage is found (AMM 62-21-00,6-7). Check that ventilation holes are not obstructed (on both sides). On adapters fitted with drilled bush 365A31-1018-21 or 22, ensure lockwire is in place in holes on trailing edge side.	/m

MAINTENANCE PROGRAM

AIRBUS HELICOPTERS EC 130 T2

Appendix A003 – P Check

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC074	Rotor shaft, all visible parts particularly under the – hub Paint condition, no cracks, scratches, blistering, corrosion nor tool marks.	/mu	PC082	Self-lubricating ball joints No debris or play. -	/mu
PC075	1/4 turn non-electrical magnetic plug of flared housing. Remove 1/4 turn plug, if there are metal particles, apply (AMM 05-50-00,6-1), if there are no metal particles, do a second check, if there are metal particles, apply (AMM 05-50-00,6-1), if there are no metal particles, install the 1/4 turn plug.	/mu	PC083	Anti-vibrator Attachment.	/mu



PC076	MAIN ROTOR HEAD Attachment, general condition.	/mu	PC084	MAIN ROTOR BLADES Attachment, general condition of the skin (lower surface, upper surface and trailing edge), trim tabs and polyurethane protective strips. Visually check for no delamination, scratches, cracks, impacts or distortions. No erosion holes on leading edge, no gaps or impacts. Condition of the electrical bonding braid. If in doubt or if a defect is found (AMM 62-11-00,6-1).	/mu
PC077	STARFLEX Star (1): no delamination (splinters).		PC085	Right cargo door Opening, condition, attachment points, no abnormal play.	/mu



MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Appendix A003 – P Check

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
STATION 5 – MAINTENANCE AREA					
PC086	Fuses All fuses set.	/m	PC096	Engine oil tank Oil level, pipes condition, no leaks.	/m
PC087	Right cargo door Closed and locked.	/m	PC097	Electrical harnesses Condition, attachment.	/m
PC088	GPU receptacle, access flap Closed or GPU connected, as applicable.	/m	PC098	Gimbal ring assembly Fitting, safety pins in place and locked.	/m
PC089	RH MGB cowling Opening, condition of locking systems, no abnormal play.	/m	PC099	RH side MGB cowling Closed and locked.	/m
PC090	Transmission deck Cleanliness.	/m	PC100	Landing gear Condition of crosstubes, skids, wear resistant plates, footstep attachment.	/m
PC091	MGB support bars Condition, attachment, swivelling.	/m	PC101	All lower central fairings Closed and locked.	/m
PC092	Oil cooler, fan and pipes Condition, no leaks, fan attachment, fan blade condition.	/m	PC102	RH cabin access doors Condition, attachment, locking, no abnormal play.	/m
PC093	Servos Attachment, no leaks or cracks.	/m	PC103	Front door jettison system Condition, no cracks (especially at the link).	/m
PC094	Hydraulic system (RH side) Attachment, pipes condition, no leaks, filter clogging indicator retracted.	/m	PC104	Subdoor Condition, attachment.	/m
PC095	Hydraulic system reservoirs Levels, no leaks.	/m			
STATION 5 – CABIN INTERIOR					
PC105	Cabin General cleanliness.	/m	PC110	Fire extinguisher Attached - Checked.	/m
PC106	Seats Condition, attachment points.	/m	PC111	Fuses All set.	/m
PC107	Belts/harnesses General condition, no wear, visible damage to the strap and reel in good working order.	/m	PC112	Battery switch ON, check battery voltage.	/m

Appendix A003 – P Check

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC108	Belt attachments General condition, wear, loosening and locking.	/mw	PC113	VEMD Check flights of the day reports: (MAINT mode, FLIGHT REPORT page) VEMD flight times, Ng and Nf cycles: check written in white characters and above 0, Check advisory messages FAILURE or OVERLIMIT DETECTED, Record flights of the day data in aircraft and engine log-books.	/mw
PC109	Door jettison system Checked - Plastic guard in place.	/mw	PC114	Battery switch OFF.	

OPTIONAL EQUIPMENT – ENGINE SAND FILTER

PC1115	With the engine cowling closed, check the following: - the condition of the filter support cowling, - the external condition of the filter, - the condition and cleanliness of the separator tubes, - the condition of the ejector nozzles.	N/A	PC116	Open the engine cowling and check the following: - the condition of the particle separator unit, - the condition and cleanliness of the separator tubes, - the condition of the elbow union, - the condition of the pipes, - the condition of the air manifold, - the tightness of the air intake, - the internal cleanliness of the air manifold, - the condition and attachment of the electro-valve with hoses and P2 supply union.	N/A
				PC117	Close the engine cowling.

OPTIONAL EQUIPMENT – AIR CONDITIONING

PC118	Open the MGB left cowling.	/mw	PC120	If a leak is detected at the MGB intake: replace the MGB intake seal (AMM 63-21-00,8-1).	/mw
PC119	Check the condition of the air conditioning compressor drive belt (AMM 21-51-02,6-2) if an oil leak is detected at the MGB.	/mw		PC121	Close the MGB left cowling.

OPTIONAL EQUIPMENT – INSTALLATION OF WINDSHIELD WIPERS



MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Appendix A003 – P Check

ITEM CODE NO.	TASK	INITIAL	ITEM CODE NO.	TASK	INITIAL
PC122	Check the condition of the installation (no corrosion, impacts..).	/m	PC124	Check the condition of the wiper and in particular, the good condition of the scraper.	/A
PC123	Check the condition of attachments.	/m			
*** End of P Check Items ***					

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : Imran Place/Date : Amroha / Oct. 10. 2023
Sign & Stamp : Imran

**MAINTENANCE PROGRAM
AIRBUS HELICOPTERS EC 130 T2**
Appendix B001 – 10FH // 7D

Reg. Mark	: PK-SN X	Date	: Oct. 10. 2023
MSN	: 8829	Station	: NPAx.
TSN / CSN	: 940:51/2309	WO No.	: 092-PKSNX/10/2023

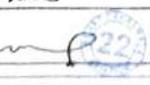
ITEM CODE NO.	CHAPTER	TASK	SIGNATURE	
			ENGINEER SIGN & STAMP	RII SIGN & STAMP
05/21/00 /000/000 /020	05-21	P-check VC AMM 05-40-00, 6-7		
05/21/00 /000/000 /030	05-21	P-check - Optional equipments Note: Maintenance operations can be carried out by an aircrew member. VC AMM 05-40-00, 6-8		
53/00/00 /000/000 /050	53-00	Structure Salt-laden atmosphere Rinsing and Drying. CLN AMM 12-20-00, 3-3		

*** End of 10FH // 7D Inspection Items ***

PERSONNEL PRTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name	: <u>Imran</u>	Place/Date	: <u>NPAx / Oct. 10. 2023</u>
Sign & Stamp			



MAINTENANCE PROGRAM AIRBUS HELICOPTERS EC 130 T2

Appendix F001 – ALS Inspection 10 Hours

Reg. Mark	: PK - SNX	Date	: Oct. 10. 2023
MSN	: 8829	Station	: KTMX
TSN / CSN	: 940:51 / 2309	WO No.	: 092 - PK - SNX / 2023

ITEM CODE NO.	CHAPTER	TASK	SIGNATURE	
			ENGINEER SIGN & STAMP	RII SIGN & STAMP
62/21/00 /000/000 /145	62-21	Spherical bearing 57910700 (704A33633211) LB4-1231-1 (704A33633208) Check of the elastomer part. GVI AMM05-40-00,6-7		
62/21/00 /000/000 /185	62-21	Frequency adapter 365A31-1019-25 (-) E-4165F01 (704A33640088) E-4165F11 (704A33640100) Check of the elastomer part. Must not be mixed together. GVI AMM05-40-00,6-7		

*** End of Appendix F001 Items ***

PERSONNEL PRTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER

RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : Janusz Place/Date : KTMX / Oct. 10. 2023
Sign & Stamp : 