







PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : 400 HRS ENGINE INSPECTION	No.	WO/089-SNK/X/2022
	Date	2 Oct 2022
	A/C Reg.	PK-SNK C208-00658
Reference : MP C208B Rev. 12	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		
Description : 1. Perform 400 Hrs Engine Inspection 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 : - NIL -		
Compliance Statement CARRIE OUT -	Sign & Date 15 OCT-2022 Company Lic. No.: 8630  04 Said MOHAMMAD SAID (Engineer In Charge)	Signature  (Technical Manager)

AIRCRAFT CHECK WORK SUMMARY
(Form: SCA/MTC/051)

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED	
2 Oct 2022	WO/089-SNK/X/2022	Inspection 400 Hrs	15 - OCT - 2022	
A/C Type		Mfg. Serial Number	A/C Registration	
C208		C208-00658	PK-SNK	
AIRCRAFT DATA				
Subject	Pos #	Serial Number (SN)	TTSN/TCSN	
Engine	#1	PCE-PC1988	6699:04/10080	
	#2	-		
Propeller/Rotor	#1	190345	3861:39/5435	
	#2	-		
Landing Gear	NLG		3861:39/5435	
	LH MLG		3861:39/5435	
	RH MLG		3861:39/5435	
PACKAGE COVERED				
No	Subject	Qty	Remark	
1	Non-Routine Card	-		
2	Inspection Card	1		
3	Work Order	1		
4	Summary Inspection List	1		
5	Material and Tool List	-		
6	Escalation form	-		
7	CRS (SMI / Unscheduled Maintenance)	1		
INSPECTION CARD (IC) LIST (Finding during maintenance)				
No	Taskcard Ref	Subject	Status Open Close	Name/ Sign & Stamp
IC-001	74-20-00	REPLACED L/H IGNITER	- ✓	 
IC-002				
IC-003				

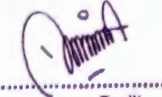
Prepared by :
Technical Support

Checked by :
Chief Maintenance

Verified by :
Chief Inspector

Approved by :
Technical Manager


Hanu Dwi M.


Dodit


Yanuar


Istiono



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

WO Ref: WO/089-SNK/X/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	CHAPTER 44	PT6A-114A ENGINE MINOR / 100HRS INSP.	14/10/22		FIRMAN SYARLI	
2	CHAPTER 45	PT6A-114A 200 HRS INSP.	14/10/22		FIRMAN SYARLI	
3	CHAPTER 46	PT6A-114A 200 HRS / 6 MTHS INSP.	14/10/22		FIRMAN SYARLI	
4	CHAPTER 47	PT6A-114A 400 HRS INSP.	15/10/22		AMIN M SAID	
5	APPENDIX B02	PT6A-114 ENGINE RUN PERFORMANCE	15/10/22		AMIN M SAID	



DOCUMENT FORM BORESCOPE INSPECTION FORM

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Engine Borescope Inspection

Job No: WO/089-SNK/X/2022

<u>Engine Serial Number</u> PCE-PC1988	<u>Date</u> 15 OCT 2022	<u>Base / Location</u> TRK	<u>Aircraft Registration</u> PK-SNK
<u>Aircraft Total Time</u> 3861:39	<u>Aircraft Total Cycle</u> 5435	<u>Reason For Borescope</u> 400 HRS INSPECTION	

Note:

Record any discrepancies found during inspection, and/or take photographic evidence.

If None, then write No Findings. If you find defects, please quote EMM (Engine Maintenance Manual) Reference and Limitations.

Item	Work Description	Sign	STAMP
1	Remove fuel manifold adapter as necessary (Ref. 73-10-05).		
2	Perform inspection of the First Stage Compressor. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT NEED COMP WASH <u>If defects found, quote MM Limitation and References :</u>		

Photo of First Stage Compressor 1st Quadrant



Photo of First Stage Compressor 2nd Quadrant



Photo of First Stage Compressor 3rd Quadrant



Photo of First Stage Compressor 4th Quadrant



3

Perform inspection of Combustion Chamber Liner Assembly.

Defects:

RESULT SATISFACTORY FOUND NO DEFECT NEEDED DESALINATION WASH

If defects found, quote MM Limitation and References :

SIGN



STAMP



Photo of Combustion Chamber 1st Quadrant



Photo of Combustion Chamber 2nd Quadrant



Photo of Combustion Chamber 3rd Quadrant

Photo of Combustion Chamber 4th Quadrant



4

Perform Inspection of CT-Stator assembly.

Defects:

RESULT SATISFACTORY FOUND NO DEFECT

If defects found, quote MM Limitation and References :

SIGN

STAMP




Photo of CT Stator 1st Quadrant



Photo of CT Stator 2nd Quadrant



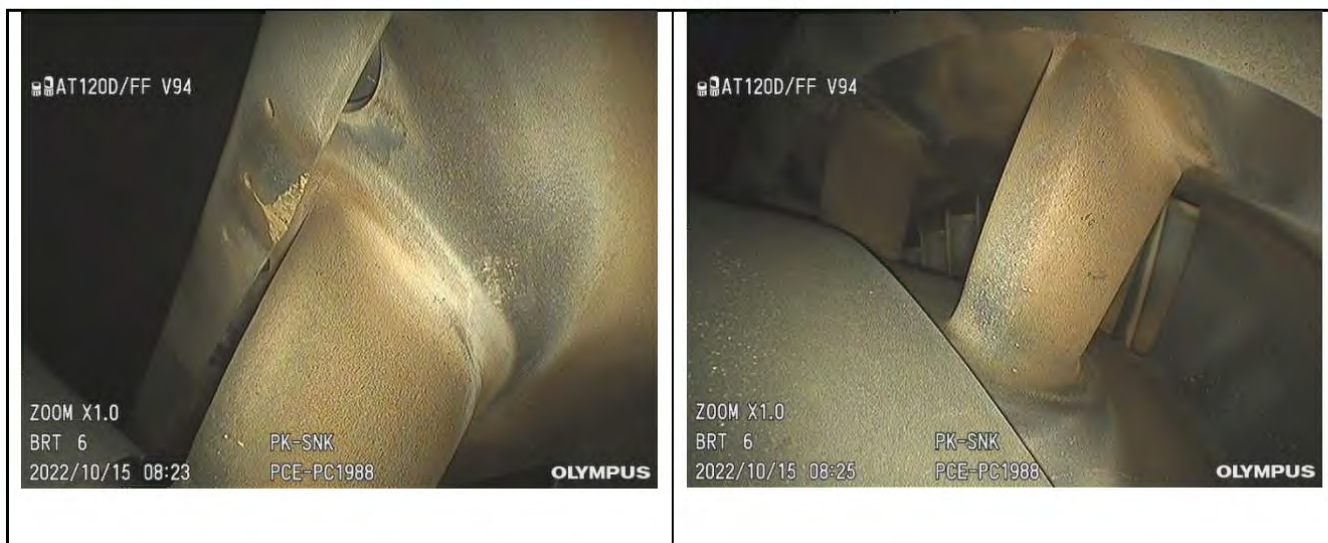
Photo of CT Stator 3rd Quadrant

Photo of CT Stator 4th Quadrant

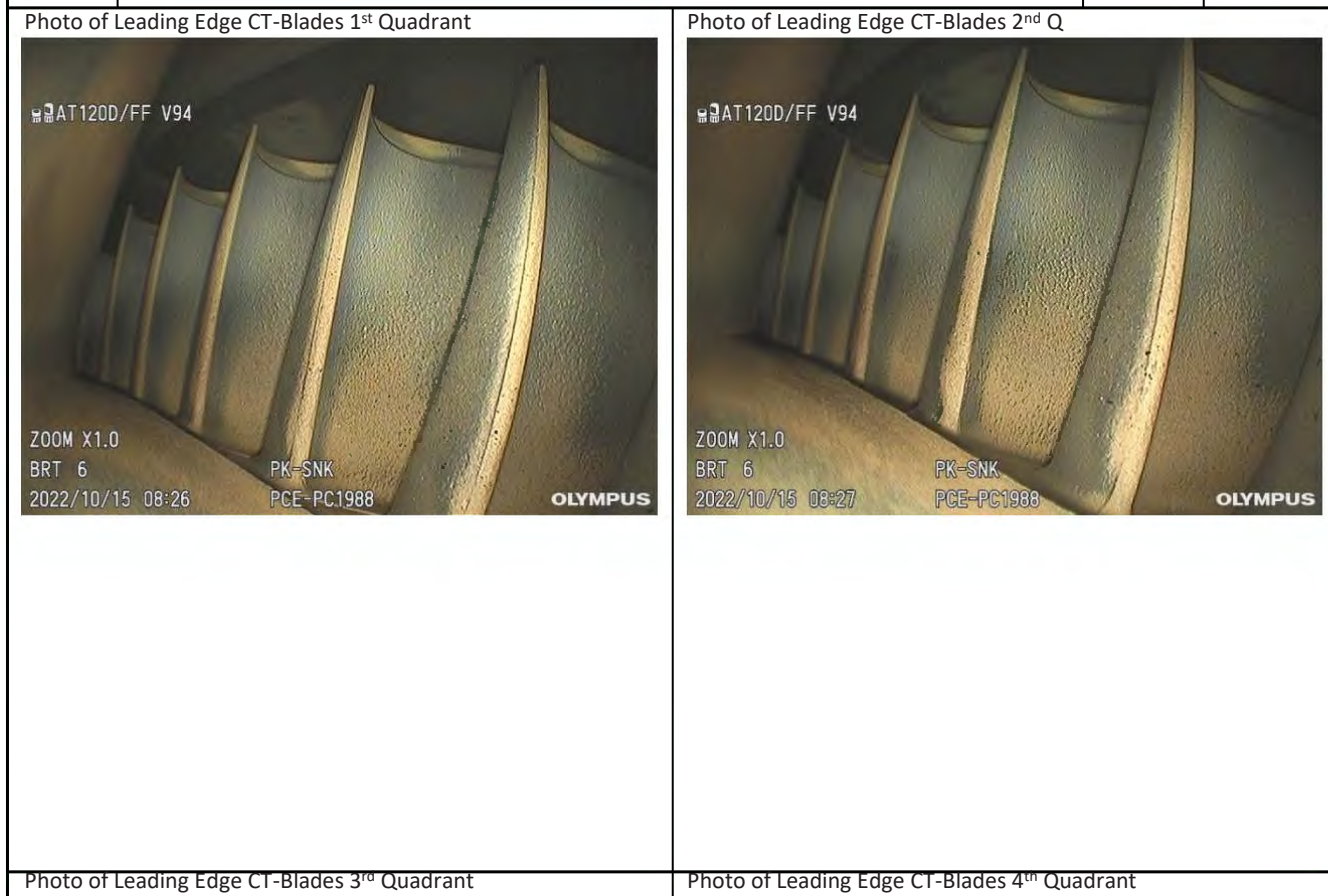


DOCUMENT FORM BORESCOPE INSPECTION FORM

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5	Perform inspection of CT blades and shroud segments. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT	SIGN	STAMP
	<u>If defects found, quote MM Limitation and References :</u>		







6	Perform inspection trailing edge of CT blades. <u>Defects:</u> <u>RESULT FOUND EROSION WITHIN LIMIT</u>	SIGN	STAMP
	<u>If defects found, quote MM Limitation and References :</u>		

Photo of Trailing Edge CT-Blades 1st Q

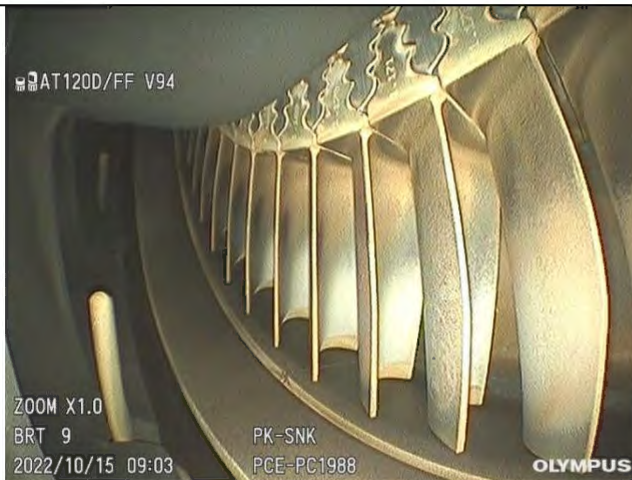


Photo of Trailing Edge CT-Blades 2nd Q



Photo of Trailing Edge CT-Blades 3rd Q

Photo of Trailing Edge CT-Blades 4th Q



7

Perform inspection of PT-Blades and PT-Vanes Ring

Defects:

RESULT SATISFACTORY FOUND NO DEFECT

If defects found, quote MM Limitation and References :

SIGN

STAMP




Photo of PT-Blades/Vanes 1st Q



Photo of PT-Blades/Vanes 2nd Q



Photo of PT-Blades/Vanes 3rd Q

Photo of PT-Blades/Vanes 4th Q



DOCUMENT FORM BORESCOPE INSPECTION FORM

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		SIGN	STAMP
8	Install fuel manifold adapter(s) (Ref. 73-10-05).		
9	Perform fuel leak check post fuel nozzle installation		

BORESCOPE PERFORMED BY

Name: _AMIN MOKHAMAD SAID

Signature



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : CESSNA 208	TTSN : 3861:39
A/C REG : PK-SNK	TCSN : 5435
MSN : C208-00658	DATE : 15-OCT-2022


TYPE OF INSPECTION : INSPECTION 400 HRS INSP.
 DUE AT : 3869 A/F HOURS / 6700 ENG. TSN
 REFF : MP C208/ C208B Rev. 12

EXCEPTION

- NO EXCEPTION -


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
AMIN MOHAMMAD SAUD	AIRFRAME & POWER PLANT	8630		15/oct/2022
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 800 HRS
 DUE AT : 3969:00 FH

Form: SCA/MTC/049

		INSPECTION CARD (Form: SCA/MTC/ 048)			TECHNICAL DEPARTMENT	
---	--	--	--	--	-------------------------	--

1. CARD #	2. JOWO #	3. ORIGINATOR	4. CARD REF	5. DATE	
IC-001	WO		74-20-00	15-OCT-2022	
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #		
PK-SNK	C208				
9. ZONE	10. STA	11. MTC TYPE			
ENGINE	TRK	REPLACEMENT			

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE
1/4 IGNITER NEEDED TO REPLACE	FAYS	15/10/2022

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
REPLACED WITH NEW ONE' IGNITER, 1AW C208 AMM CH. 72-40-00 Performed at A/C TT: 3061:39 A/C TC/LDG: 5435	ADIT	FAYS	15/10/2022

20. CORROSION INFORMATION			
LOCATION	CAUSE OF DAMAGE		
	<input type="checkbox"/> Environment		
	<input type="checkbox"/> Internal Leakage		
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread	<input type="checkbox"/> Chemical Spill		
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> LAV/Galley Spill		
PROPOSED ACTION <input type="checkbox"/> Doublers	<input type="checkbox"/> Blocked Drain		
<input type="checkbox"/> Others	<input type="checkbox"/> Wet Insulation Blanket		
	<input type="checkbox"/> Other		
21. If the defect is RII, Please Sign this card finally by RII Inspector		INSP	DATE
NOTICE OF INSPECTOR			

22. PARTS REQUIRED						
PART DESCRIPTION	PART NO	QTY	SERIAL NO		STATUS	
			ON	OFF	CLOSE	OPEN
IGNITER	CH34055	1	-	-	✓	-

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS
GENERAL TOOL	-	-	OK



MAINTENANCE PROGRAM CESSNA C208/C208B

Appendix B02 – PT6A-114A Engine Run Performance Sheet

Reg. Mark : PK - SNK

WO/FML No. : WO/089-SNK/X/2022

PRE – INSPECTION	
Location	TRK
Date	14 OCT 2022
Cycle	
Filed Barometric	29.92
OAT	31C
Altitude	200 FT

POST – INSPECTION	
Location	TRK
Date	15 OCT 2022
Cycle	
Filed Barometric	29.92
OAT	33C
Altitude	190

PRE – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1880
ITT	785 °C	708 °C
Ng	99.1 %	99.0 %
Wf	450	449
Oil Press		88 % PSI
Oil Temp		80 °C
Start Temp		648 °C

POST – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1880
ITT	790 °C	699 °C
Ng	99.2 %	99.1 %
Wf	450	450
Oil Press		88 % PSI
Oil Temp		78 °C
Start Temp		659 °C

Engine Run Up Checks

Inertial ☒ EPL ☒ OVG ☒ Stby Alt ☒ BOV ☒ Brake ☒ Randown ☒

NOTE:

1. Brake system at Torque 1500 ft-lbs.
2. Inertial Separator at Torque 400 ft-lbs.
3. EPL check can't exceed 4% Ng per second.
4. Standby Alt at 80% Ng.
5. Low idle at 52.5 – 53.5% 40Amps.
6. High idle at 64 - 66% Ng 40Amps.

Engine Performance Target Table Cessna C208



OAT (°C)	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Tq (ft.lbs)	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865
Np	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
ITT (°C)	772	775	778	780	785	790	793	795	797	800	800	800	802	805	810
Ng (%)	98.5	98.5	99	99	99.1	99.2	99.4	99.5	99.5	100	100	100.2	100.5	100.7	100.9
WF (PPH)	450	450	450	450	450	450	450	450	450	450	450	450	448	448	446

Note:

1. Make sure that inertial separator in normal condition, no bleed air extracted from the engine and air condition OFF.
2. This table only applies to altitude 0-500 feet MSL. For higher altitude, refer to EMM 72-00-00.
3. Max fuel flow is 465 lb/hr fuel flow is not more than 15 lbs/hr higher than the value shown in table.
4. If parameters are outside the target performance table to EMM chapter 71-00-00.

REMARKS:

PERFORMED BY

Name	Sign & Stamp	Date	Location
Flampon SYNCH	 	15/OCT/2022	TARAKAN



Additional Work Sheet

Inspection 400 Hrs

Aircraft Registration: **PK-SNK**

WO# Nr: WO/089-SNK/X/2022

Parts Used Sheet 1

Special Tool Used

[illegible]

Part Used

[illegible]

[illegible]