PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: CESSNA 208	TTSN	: 4073:54
A/C REG	: PK-SNM	TCSN	: 5562
MSN	: C208-00655	DATE	: 08 Feb 2023

TYPE OF INSPECTION : INSPECTION 100 HOURS
DUE AT : 4079 HOURS
REFF : MP C208/C208B ISSUED 01

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
Sampurna H.	AIRFRAME & POWER PLANT	4870 /SCA-03		08 Feb 2023
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 200 Hrs /Inspection

DUE AT : 4179:00

Form: SCA/MTC/049

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

1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5 DATE
—	—	—	—	—
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
—	—	—		
9. ZONE	10. STA	11. MTC TYPE	—	
—	—	—		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE
—		

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
—			
Performed at A/C TT : ..... A/C TC /LDG :			

20. CORROSION INFORMATION				
LOCATION		CAUSE OF DAMAGE		
		☐ Environment		
		☐ Internal Leakage		
CORROSION ☐ Isolated ☐ Widespread		☐ Chemical Spill		
CORROSION LVL ☐ 1 ☐ 2 ☐ 3		☐ LAV/Galley Spill		
PROPOSED ACTION ☐ Doublers		☐ Blocked Drain		
☐ Others		☐ Wet Insulation Blanket		
.....		☐ 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

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
2 Feb 2023	WO/038-SNM/II/2023	Inspection 100 Hours	

A/C Type	Mfg. Serial Number	A/C Registration
C208	C208-00655	PK-SNM

AIRCRAFT DATA

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-PC2327	75:36 / 50
	#2	-	
Propeller/Rotor	#1	190085	4073:54
	#2	-	
Landing Gear	NLG		4073:54 / 5562
	LH MLG		4073:54 / 5562
	RH MLG		4073:54 / 5562

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		Name/ Sign & Stamp
			Open	Close	
IC-001	—	—	—	—	—
IC-002					
IC-003					
IC-004					
IC-005					
IC-006					

IC-007					
IC-008					
IC-009					
IC-010					
IC-011					
IC-012					
IC-013					
IC-014					
IC-015					

Prepared by : Technical Support	Checked by : Chief Maintenance	Verified by : Chief Inspector	Approved by : Technical Manager
Dwi M.	Dodit	Yanuar	Istiono

PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : **Inspection 100 Hours due at 4079 Hours.**	No.	WO/038-SNM/II/2023
	Date	2 Feb 2023
	A/C Reg.	PK-SNM C208-00655
Reference : MP C208B Issued 01	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Inspection 100 Hours due at 4079 Hours.
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	Sign & Date	Signature
CARRIED OUT	Company Lic. No.: SCA-03 08 Feb 2023 (Engineer In Charge)	(Technical Manager)

Reg. Mark : PK - SNM
MSN : 20800655
TSN / CSN : 4073:54/5562

Date : 08 Feb 2023
Station : SRW
WO No. : WO/038-SNM/II/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E710001	130	Do a check of the FCU manual override system for static operation.		
E710003	130	Do a compressor performance recovery wash.		
E710004	130	Inspect all accessible connections, clamps and brackets for attachment. Inspect accessible lockwire and safety cable for security and installation.		
E710005	130	Inspect of wear, chafing, cracks and corrosion for tubing, wiring, control linkage, hose assemblies. **NOTE:** Visually inspect insulated air tubes for signs of swelling, cracking, bulging of rubber sheath material. Refer to repair section and SB1687. Replace as necessary.		
E710006	130	Examine linkages. Pay particular attention to rear linkage cam box, fuel control unit arm, telescopic rod and rod end fittings. Disconnect rod ends and clean using solvent (PWC11-027) or (PWC11-031). Lubricate with light grease (PWC04-001) after engine external wash. Examine rod end for corrosion, roughness in rotation, side play and radial play. After lubrication reinstall rod ends and torque to specified value (Ref 76-10-00). Check free movement of linkage.		
E710007	130	Inspect attachment and linkages, air, oil and fuel lines (Ref. 73-10-07/-08). **NOTE:** Visually inspect insulated air tubes for signs of swelling, cracking, bulging of rubber sheath material. Refer to repair section and SB1687. Replace as necessary.		
E710011	130	Performed Deceleration Check		
E720001	130	Do a visual inspection of the engine exhaust duct welds.		

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E720002	130	Do a visual inspection of the engine exhaust duct for cracks.		
E720003	130	External surfaces, and fireseal mount ring brackets for cracks, distortion, and corrosion of gas generator case (Ref. 72-30-04).		
E722001	130	Do a visual inspection of the air inlet screen.		
E722004	130	Cracks and attachment of brackets and seals of fireseal mount rings. (Ref. 72-30-01/-02)		
E723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion		
E731002	130	Do a visual inspection of the fuel pump (in-situ inspection only) for installation and leakage		
E731003	130	Check oil-to-fuel heater installation		
E731014	130	Check starting flow control/flow divider for installation and leaks.		
E731015	130	Check outlet filter for foreign matter or distortion (Ref. 73-10-02). **(~~CLEANING~~ / REPLACEMENT)** P/N OFF: AN 6235-3A P/N ON: AN 6235-3A		
E731006	130	Check drain valve for installation and leaks		
E731008	130	Do a visual inspection of the P3 filter and drain valve.		
E731018	130	Clean or replace the P3 filter based on condition, service experience or environment. **Note:** If corrosions are found, replace filter.		
E732001	130	Check FCU for installation, linkages and pneumatic tubes.		
E732002	130	Examine the FCU for bearing wash-out, shown by blue dye (grease and fuel mixed) at FCU vent.		

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E792002	130	Oil filter elements and secondary screen (coarse hat-type screen attached to the inner end of the filter).		
E792003	130	Examine the forward oil transfer elbow installation on the Flange A. Make sure that the bolts tighten correctly		
D282101	130	Firewall Mounted Fuel Filter Servicing Task 28-21-00-610		
E722001	130	Do a visual inspection of the air inlet screen.		
E722004	130	Cracks and attachment of brackets and seals of fireseal mount rings. (Ref. 72-30-01/-02)		
E723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion		
E731002	130	Do a visual inspection of the fuel pump (in-situ inspection only) for installation and leakage		
E731003	130	Check oil-to-fuel heater installation		
E731014	130	Check starting flow control/flow divider for installation and leaks.		
E731015	130	Check outlet filter for foreign matter or distortion (Ref. 73-10-02). **(~~CLEANING~~ / REPLACEMENT)** P/N OFF: AN 6235-3A P/N ON: AN 6235-3A		
E731006	130	Check drain valve for installation and leaks		
E731008	130	Do a visual inspection of the P3 filter and drain valve.		
E731018	130	Clean or replace the P3 filter based on condition, service experience or environment. **Note:** If corrosions are found, replace filter.		

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
E732001	130	Check FCU for installation, linkages and pneumatic tubes.		
E732002	130	Examine the FCU for bearing wash-out, shown by blue dye (grease and fuel mixed) at FCU vent.		
E792002	130	Oil filter elements and secondary screen (coarse hat-type screen attached to the inner end of the filter).		
E792003	130	Examine the forward oil transfer elbow installation on the Flange A. Make sure that the bolts tighten correctly		
D282101	130	Firewall Mounted Fuel Filter Servicing Task 28-21-00-610		
*** End of Engine PT6A-114A 100 Hours/Minor Inspection Items ***				

PERSONNEL PARTICIPATING 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 : Sampurna Place/Date : SKW/08 Feb 2023

Sign & Stamp :

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

WO Ref: WO/038-SNM/II/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B07	PT6A-114A ENGINE GROUND RUN PERFORMANCE	08 Feb 2023		Sampurna	
2	APPENDIX D01	ENGINE PT6A-114A 100 HOURS/MINOR INSPECTION	08 Feb 2023		Sampurna	
3	Form SCA/MTC/023	EMERGENCY EQUIPMENT CHECKLIST	08 Feb 2023		Sampurna	

Appendix B07 – PT6A-114A Engine Run Performance Sheet

Reg. Mark : PK - SNM WO/FML No. : WO/038 - SNM/11/2023

PRE – INSPECTION	
Location	SKW
Date	08 Feb 2023
Cycle	50
Filed Barometric	
OAT	31
Altitude	80 ft

POST – INSPECTION	
Location	SKW
Date	08 Feb 2023
Cycle	50
Filed Barometric	
OAT	28
Altitude	80 ft

PRE – INSPECTION	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	785 °C	793 °C
Ng	99.1 %	99.0 %
Wf	450	451
Oil Press		89 °C
Oil Temp		63 °C
Start Temp		690 °C

POST– INSPECTION	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	775 °C	719 °C
Ng	98.5 %	98.3 %
Wf	450	452
Oil Press		90 °C
Oil Temp		60 °C
Start Temp		684 °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
Sampurna		08 Feb 2023	SKW

Additional Work Sheet
Inspection 100 Hours

Aircraft Registration: **PK-SNM**

WO# Nr: **WO/038-SNM/II/2023**

Parts Used Sheet 1

Special Tool Used

No.	Description	Due Date	Engineer
1	Torque Wrench	AUG 2023	Sampurna
2	Press. Gauge	APR 2023	Sampurna

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Additional Work Sheet
Inspection 100 Hours

Aircraft Registration: **PK-SNM**

Parts Used Sheet 2

WO# Nr: **WO/038-SNM/II/2023**

Part Used

Date	Part Nr.	Serial Nr.	Description	Quantity	Engineer
08 Feb 2023	PT6A - 114A	-	100 Hrs Kit 114A	1 KIT	Sampurna