

**PT. SMART CAKRAWALA AVIATION****WORK ORDER**

Form: SCA/MTC/030

Subject : <b>Inspection 100 Hours due at 2854 Hours.</b>		No.	WO/077-SNM/X/2021
		Date	21-Oct-2021
		A/C Reg.	PK-SNM C208-00655
Reference : <b>MP C208B Rev. 10</b>		Prepared By	TS
		Checked By	CI
		Approved By	TM
To : Engineer In Charge			
<b>Description :</b>  <ol style="list-style-type: none"><li>1. Perform Inspection 100 Hours due at 2854 Hours.</li><li>2. Make an entry in Maintenance Log.</li><li>3. Return the Completed Work Order and Form to PPC.</li></ol> <p>#If any finding, please close the routine card, and transferred to inspection card.</p>			

<b>Additional Work :</b>			
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Compliance Statement	Sign & Date Company Lic. No.:  (Engineer In Charge)  24- OCT- 2021 	Signature  (Technical Manager)
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**AIRCRAFT CHECK WORK SUMMARY**  
**(Form: SCA/MTC/051)**

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
21-Oct-2021	WO/077-SNM/X/2021	Inspection 100 Hours	24- Oct - 2021
A/C Type C208		Mfg. Serial Number C208-00655	A/C Registration PK-SNM
<b>AIRCRAFT DATA</b>			
Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-PC2316	2844 : 59
	#2	-	
Propeller/Rotor	#1	190085	2844 : 59
	#2	-	
Landing Gear	NLG		3992
	LH MLG		3992
	RH MLG		3992

**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	
<u>IC-001</u>					
<u>IC-002</u>					
<u>IC-003</u>					
<u>IC-004</u>					
<u>IC-005</u>					
<u>IC-006</u>					

<u>IC-007</u>					
<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					
<u>IC-011</u>					
<u>IC-012</u>					
<u>IC-013</u>					
<u>IC-014</u>					
<u>IC-015</u>					

Prepared by :  
Technical Support

Checked by :  
Chief Maintenance

Verified by :  
Chief Inspector

Approved by :  
Technical Manager



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE	: CESSNA 208	TTSN	: 2044:59
A/C REG	: PK-SNM	TCSN	: 3992
MSN	: C208-00655	DATE	: 24-OCT-2021

TYPE OF INSPECTION	: INSPECTION 100 HOURS
DUE AT	: 2854 HOURS
REF	: MP C208/C208B REV. 10

**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
M. ARIEL ANDIKA	AIRFRAME & POWER PLANT	9633 / SCA 23	 	24-OCT-2021
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 200 HOURS INSPECTION

DUE AT : 2954:00

Form: SCA/MTC/049



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

WO Ref: WO/077-SNM/X/2021

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B02	PT6A-114A ENGINE GROUND RUN PERFORMANCE	24-10-21		Ann	
2	CHAPTER 44	ENGINE PT6A-114A 100 HOURS/MINOR INSPECTION	24-10-21		Ann	
3	Form SCA/MTC/023	EMERGENCY EQUIPMENT CHECKLIST	24-10-21		Ann	



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



# MAINTENANCE PROGRAM

## CESSNA C208/C208B

### Appendix B02 – PT6A-114A Engine Run Performance Sheet

Reg. Mark

: PK - SNM

WO/FML No. : WO/077-SNM/X/2021

PRE – INSPECTION	
Location	TIMIKA
Date	24- OCT - 2021
Cycle	-
Filed Barometric	29.92
OAT	30 °C
Altitude	120 FT

POST – INSPECTION	
Location	TIMIKA
Date	24- OCT - 2021
Cycle	-
Filed Barometric	29.92
OAT	27 °C
Altitude	140 FT

PRE – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	780 °C	746 °C
Ng	98.5 %	98.1 %
Wf	450	448
Oil Press		93 °C
Oil Temp		60 °C
Start Temp		735 °C

	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	772 °C	741 °C
Ng	98.5 %	98.0 %
Wf	450	445
Oil Press		93 °C
Oil Temp		62 °C
Start Temp		721 °C

#### Engine Run Up Checks

Inertial  EPL  OVG  Stby Alt  BOV  Brake  Randonw

**NOTE:**

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

#### Engine Performance Target Table Cessna C208

OAT (°C)	(2)	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	100.2	100.5	100.7
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
M. ARI A		24- OCT - 2021	TIMIKA

**MAINTENANCE PROGRAM****CESSNA C208/C208B****Chapter 44 – Engine PT6A-114A 100 Hours/Minor Inspection**

Reg. Mark	PK - SNM	Date	24- Oct - 2021
MSN	C208 - 00655	Station	TIKICA
TSN / CSN	2844:59 / 3992	WO No.	WO / 077 - SNM / X / 2021

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			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.  <b>NOTE:</b> Visually inspect insulated air tubes for signs of swelling, cracking, bulging of rubber sheath material. Refer to repair section and <a href="#">SB1687</a> . 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 ( <a href="#">PWC11-027</a> ) or ( <a href="#">PWC11-031</a> ). Lubricate with light grease ( <a href="#">PWC04-001</a> ) 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).  <b>NOTE:</b> Visually inspect insulated air tubes for signs of swelling, cracking, bulging of rubber sheath material. Refer to repair section and <a href="#">SB1687</a> . Replace as necessary.		
E710011	130	Performed Deceleration Check		
E720001	130	Do a visual inspection of the engine exhaust duct welds.		
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).		



# MAINTENANCE PROGRAM

## CESSNA C208/C208B

### Chapter 44 – Engine PT6A-114A 100 Hours/Minor Inspection

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
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). <b>(CLEANING / REPLACEMENT)</b> P/N OFF: <u>AN 6235 - 3A</u> P/N ON: <u>AN 6235 - 3A</u>		
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. <b>Note:</b> If corosions 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.		
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		

\*\*\* End of Engine PT6A-114A 100 Hours Inspection Items \*\*\*



## MAINTENANCE PROGRAM

### CESSNA C208/C208B

#### Chapter 44 – Engine PT6A-114A 100 Hours/Minor Inspection

PERSONNEL PRINCIPAL IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
M. AZIZ ANDIKA	ENGINEER		9633
BRAMONO ONY · T	ENGINEER		5709
CEP NANAL P	MEKANIK		

#### 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 considered fit for Release to Service.

Name : M. Aziz Andika Stamp :

Signature :  Place/Date : TIMIKA / 24-OCT-2021



**EMERGENCY EQUIPMENT  
LIST  
INSPECTION & MONITOR**

**PT. SMART CAKRAWALA  
AVIATION  
DEPARTMENT TEKNIK**  
Form: SCA/MTC/023

DATE : 24- OCT - 2021	A/C REG : PK-SNH
A/C TYPE : C 208	CHECKER : ARIANDA SIGN:

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01074-101 W	17060500063	JUN 2022	SERVICEABLE
2	Co-Pilot Life Vest	P01074-101 W	17060500041	JUN 2022	SERVICEABLE
3	Pax Life Vest				
4	Pax Life Vest				
5	Pax Life Vest				
6	Pax Life Vest				
7	Pax Life Vest				
8	Pax Life Vest				
9	Pax Life Vest				
10	Pax Life Vest				
11	Pax Life Vest				
12	Pax Life Vest				
13	Firt Aid Kit	NPN	NSN	APRIL 2022	SERVICEABLE
14	Crash Axe Installed	NPN	NSN	%	SERVICEABLE
15	Fire Extinguisher	C 352	F60589684	NOV 2021	SERVICEABLE
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				

**OTHERS**

	FLASH LIGHT	NPN	NSN	%	SERVICEABLE



## **Additional Work Sheet**

### **Inspection 100 Hours**

Aircraft Registration: **PK-SNM**

WO# Nr: WO/077-SNM/X/2021

## Parts Used Sheet

1

### Special Tool Used



## **Additional Work Sheet**

### **Inspection 100 Hours**

Aircraft Registration: **PK-SNM**

WO# Nr: WO/077-SNM/X/2021

## Parts Used Sheet

2

### Part Used