



PT. SMART CAKRAWALA AVIATION

## WORK ORDER

Form: SCA/MTC/030

Subject :

Inspection 100 Hours due at 3654 Hours.

No.

WO/100-SNM/IX/2022

Date

4 SEPT 2022

A/C Reg.

PK-SNM C208-00655

Reference :

MP C208B Rev. 12

Prepared By

TS

Checked By

CI

Approved By

TM

To : Engineer In Charge

### Description :

1. Perform Inspection 100 Hours due at 3654 Hours.
2. Make an entry in Maintenance Log.
3. Return the Completed Work Order and Form to PPC.

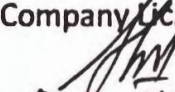
#If any finding, please close the routine card, and transferred to inspection card.

### Additional Work :

NIL

Compliance  
Statement

Sign & Date  
Company U.C. No.:

  
Budi Harjo  
(Engineer In Charge)



Signature

  
(Technical Manager)



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

DATE OF ISSUED	JOWO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
4 SEPT 2022	WO/100-SNM/IX/2022	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-PC2316	
	#2	-	
Propeller/Rotor	#1	190085	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		

**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

  
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Dwi M.

  
.....  
Dodit

  
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Yanuar

  
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Istiono



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

WO Ref: WO/0100-SNM/IX/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B02	PT6A-114A ENGINE GROUND RUN PERFORMANCE	08/09/2022		Burn H.	
2	CHAPTER 44	ENGINE PT6A-114A 100 HOURS/MINOR INSPECTION	07/09/2022		Burn H.	
3	Form SCA/MTC/0 23	EMERGENCY EQUIPMENT CHECKLIST	08/09/2022		Burn H.	





PT. SMART CAKRAWALA AVIATION

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

A/C TYPE : CESSNA 208

TTSN : 365106

A/C REG : PK-SNM

TCSN : 5076

MSN : C208-00655

DATE : 08/09/2022

TYPE OF INSPECTION : INSPECTION 100 HOURS

DUE AT : 3654 HOURS

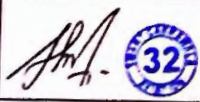
REFF : MP C208/C208B REV. 12

EXCEPTION

NIL

**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
Budi HARTOYO	AIRFRAME & POWER PLANT	9506		08/09/2022
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : INSPECTION 200 HOURS

DUE AT : 3754:00 HOURS

Form: SCA/MTC/049





# INSPECTION CARD

(Form: SCA/MTC/ 048)

TECHNICAL  
DEPARTMENT

1. CARD #	2. JOWO #	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		CAUSE OF DAMAGE <input type="checkbox"/> Environment <input type="checkbox"/> Internal Leakage <input type="checkbox"/> Chemical Spill <input type="checkbox"/> LAV/Galley Spill <input type="checkbox"/> Blocked Drain <input type="checkbox"/> Wet Insulation Blanket <input type="checkbox"/> Other		
LOCATION				
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread				
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3				
PROPOSED ACTION <input type="checkbox"/> Doublers <input type="checkbox"/> Others				
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/0100-SNM/1X/2022

PRE - INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

POST - INSPECTION	
Location	TARAKAN
Date	08 SEPT- 2022
Cycle	
Filed Barometric	29.92
OAT	28°C
Altitude	120

PRE - INSPECTION		
	Target	Actual
Tq		
Np		
ITT	°C	°C
Ng	%	%
Wf		
Oil Press		°C
Oil Temp		°C
Start Temp		°C

POST-INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	775 °C	709 °C
Ng	98.5 %	98.3 %
Wf	450	453
Oil Press		92 °C
Oil Temp		59 °C
Start Temp		720 °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 ENGINE GROUND.  
RUN SATISFACTORY.

#### PERFORMED BY

Name	Sign & Stamp	Date	Location
Budi Hartoyo		08/09/2022	TARAKAN

Revision No. : 02

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







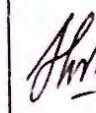

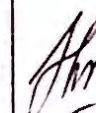











# MAINTENANCE PROGRAM CESSNA C208/C208B

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

Reg. Mark : PK - SNM  
MSN : C208-00655  
TSN / CSN : 3651:06 / 5076



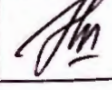



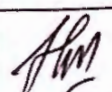

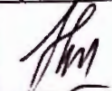

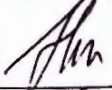



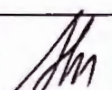

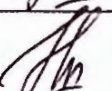


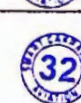
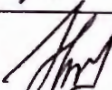

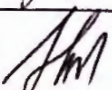

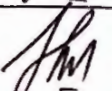

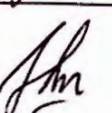

Date : 08/09/2022  
Station : TANAKAN  
WO No. : WO/0100-SNM/IX/2022

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 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). <b>NOTE:</b> 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.		
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**

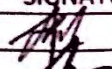

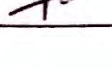
ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
E722001	130	Do a visual inspection of the air inlet screen.		
E722004	130	Cracks and attachment of brackets and seals of fireseal mount rings. (Ref. 72-30-01/-02)		
E723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage 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). (CLEANING / REPLACEMENT) P/N OFF: <u>AN 62-35-3A</u> P/N ON: <u>AN 62-35-3A</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 corrossions 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 PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
Budi Hartoyo	ENGINEER		9506
LEGI YANTO	MECHANIC		
BASRI	MECHANIC		

#### RETURN TO SERVICE

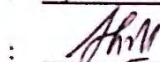
The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : Budi Hartoyo

Stamp :



Signature :



Place/Date :

TARAKAN. 08/07/2022





**Additional Work S**  
**Inspection 100 Hours**

WO# Nr: WO/0100-SNM/IX/2022

## Parts Used Sheet

### Special Tool Used

[illegible]



