



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION

(CRS-SMI)

A/C TYPE : CESSNA 208
A/C REG : PK-SNM
MSN : C208-00655

TTSN : 3046 : 11
TCSN : 4315
DATE : 27/12/2021

TYPE OF INSPECTION : INSPECTION 100 HOURS & ADD TASK
DUE AT : 3054 HOURS
REFF : MP C208/C208B REV. 10

EXCEPTION

- NIL NOTED -

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/SCA32		DEC 2021
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 1600 HRS
DUE AT : 3154 : 00 HOURS

Form: SCA/MTC/049

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
22-DEC-2021	WO/082-SNM/XII/2021	Inspection 100 Hours & Add Task	

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	3046:11
	#2	-	
Propeller/Rotor	#1	190085	4315
	#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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	INSPECTION CARD (Form: SCA/MTC/ 048)	TECHNICAL DEPARTMENT
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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
NIL	—	—

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
NIL	—	—	—

Performed at A/C TT : A/C TC /LDG :

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

Appendix B02 – PT6A-114A Engine Run Performance Sheet

Reg. Mark : PK - SMM

WO/FML No. : WO/082-SMM/K11/2021

PRE – INSPECTION	
Location	TIM
Date	27/12/2021
Cycle	
Filed Barometric	1020
OAT	31 °C
Altitude	120 ft

POST – INSPECTION	
Location	TIM
Date	27/12/2021
Cycle	
Filed Barometric	1020
OAT	27 °C
Altitude	120 ft

PRE – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	785 °C	765 °C
Ng	99.1 %	98.0 %
Wf	450	456
Oil Press		93 °C
Oil Temp		68 °C
Start Temp		705 °C

POST – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1900
ITT	792 °C	722 °C
Ng	98.5 %	98.1 %
Wf	450	454
Oil Press		92 °C
Oil Temp		67 °C
Start Temp		705 °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 FOUND SATISFACTORY.

PERFORMED BY

Name	Sign & Stamp	Date	Location
Budi-H		27/12/2021	TIMIKA

Revision No. : 03

SCA/TEK/1-001

26 September 2019

Page B02.1



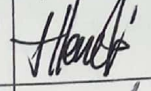
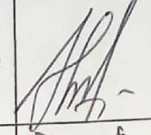
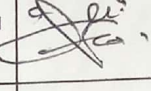
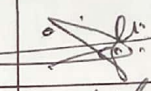
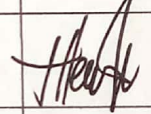
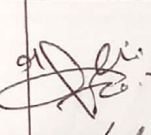
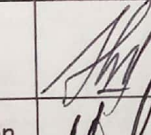
SUMMARY INSPECTION ITEMS (Form: SCA/MTC/050)

WO Ref: WO/082-SNM/XII/2021

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B02	PT6A-114A ENGINE GROUND RUN PERFORMANCE	27/12/2021		Budi H.	
2	CHAPTER 44	ENGINE PT6A-114A 100 HOURS/MINOR INSPECTION	27/12/2021		Budi H.	
3	CHAPTER 32	INSPECTION DOCUMENT 26	27/12/2021		Budi H.	
3	Form SCA/MTC/0 23	EMERGENCY EQUIPMENT CHECKLIST	27/12/2021		Budi H.	

MAINTENANCE PROGRAM CESSNA C208/C208B

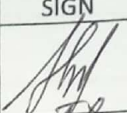
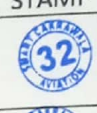
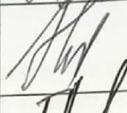
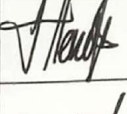
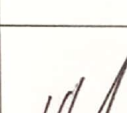
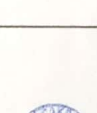
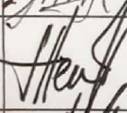
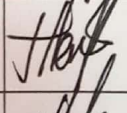
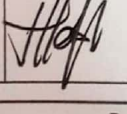
Chapter 44 – Engine PT6A-114A 100 Hours/Minor Inspection

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>AN6235-3A</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. 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.		
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 ***				

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

Reg. Mark : PK - PIC-SAM
MSN : C208-00655
TSN / CSN : 3046:11/4315

Date : 27/12/2021
Station : TIMIKA
WO No. : W0/082-SAM/X11/2021

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. 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.		
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).		

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
<i>Hendro</i>	<i>ENGINEER</i>	<i>[Signature]</i>	<i>5583</i>
<i>DEVI SOBAY</i>	<i>ENGINEER</i>	<i>[Signature]</i>	<i>9632</i>
<i>Budi HARTONO</i>	<i>ENGINEER</i>	<i>[Signature]</i>	<i>9506</i>

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 HARTONO* Stamp : 

Signature : *[Signature]* Place/Date : *TIM / 27 DEC '20 21*

MAINTENANCE PROGRAM CESSNA C208/C208B

Chapter 32 – Inspection Document 26

Reg. Mark : PK - SNM
 MSN : C208-00655
 TSN / CSN : 3046:11 / 4315

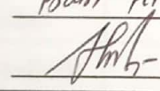
Date : DEC' 2021
 Station : TMM
 WO No. : WO/082-SNM/XII/2021

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			SIGN	STAMP
B243301	122	Concord Sealed Lead Acid Battery Functional Check (Capacity Check) EPV Voltage : <u>25.5</u> Volt Result : <u>98</u> % NOTE: The inspections schedule may be adjusted after the useful battery life is established, based on operations." Task 24-33-00-720		
*** End of Inspection Document 26 Items ***				

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
BUM HANTOYO	ENGINEER		9506

RETURN TO SERVICE

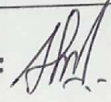
The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : BUM HANTOYO Stamp : 
 Signature :  Place/Date : TMM DEC' 2021



EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR

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

DATE : DEC' 2021	A/C REG : PK-SNM
A/C TYPE : C208	CHECKER :  SIGN: 

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01074-101W	17060500041	JUN 2022	GOOD
2	Co-Pilot Life Vest	P01074-101W	17060500063	JUN 2022	GOOD
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	NPM.	MSN	April 2022	GOOD
14	Crash Axe Installed	NPM	MSN	ONE CONDITION	GOOD
15	Fire Extinguisher	C352	F60589684	NOV' 2022	GOOD
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					
	FLASH LIGHT	NPM	MSN	ONE CONDITION	GOOD



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[illegible]

