



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject :	No.	WO/109-SNS/X/2022
Inspection 100 Hours Due at 6079 Hours.	Date	5 OCT 2022
	A/C Reg.	PK-SNS C208B-2341
Reference :	Prepared By	TS
MP C208B Rev. 12	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Inspection 100 Hours Due at 6079 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 :

Compliance Statement <i>CARRIED OUT 100 HRS INSPECTION.</i>	Sign & Date Company Lic. No.: <i>09 OCTOBER 2022</i> <i>6.</i> (Engineer In Charge)	Signature <i>37</i> (Technical Manager)
--	---	---

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
5 OCT 2022	WO/100-SNS/X/2022	Inspection 100 Hours	09 OCTOBER 2022		
A/C Type		Mfg. Serial Number	A/C Registration		
C208B		C208B-2341	PK-SNS		
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-PC1288	3140:11 / 4020		
	#2	-			
Propeller/Rotor	#1	081043	145:22		
	#2	-			
Landing Gear	NLG		6075:37 / 6710		
	LH MLG		6075:37 / 6710		
	RH MLG		6075:37 / 6710		
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



Dwi M.



Dodit



Yanuar



Istiono



MAINTENANCE PROGRAM CESSNA C208/C208B

Appendix B02 – PT6A-114A Engine Run Performance Sheet

Reg. Mark : PK-SNS

WO/FML No. : WO/109-SNS/X/2022

PRE – INSPECTION	
Location	TANAH MERAH
Date	08. OCT. 2022
Cycle	-
Filed Barometric	1010
OAT	28 °C
Altitude	145 FT

POST – INSPECTION	
Location	TANAH MERAH
Date	10. OCT. 2022
Cycle	-
Filed Barometric	1010
OAT	27 °C
Altitude	150 FT

PRE – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1870
ITT	775 °C	721 °C
Ng	98.5 %	99.2 %
Wf	450	437
Oil Press		94 °C
Oil Temp		65 °C
Start Temp		739 °C

POST – INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1880
ITT	772 °C	721 °C
Ng	98.5 %	98.9 %
Wf	450	436
Oil Press		95 °C
Oil Temp		68 °C
Start Temp		700 °C

Engine Run Up Checks													
Inertial	<input checked="" type="checkbox"/>	EPL	<input checked="" type="checkbox"/>	OVG	<input checked="" type="checkbox"/>	Stby Alt	<input checked="" type="checkbox"/>	BOV	<input checked="" type="checkbox"/>	Brake	<input checked="" type="checkbox"/>	Random	<input checked="" type="checkbox"/>
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)	(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:

ENGINE PARAMETERS
WITHIN LIMITS.

PERFORMED BY			
Name	Sign & Stamp	Date	Location
ARUJI - 6		10 OCT 2022	TANAH MERAH



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 PK-SNS/2341	7. A/C TYPE C208B	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
<hr/>		

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
<hr/>			
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
NOTICE OF INSPECTOR			DATE

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



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

WO Ref: WO/109-SNS/X/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B02	PT6A-114A ENGINE GROUND RUN PERFORMANCE	09/2022 10	-	ARUJI . 6	A blue circular stamp with the number '31' in the center, surrounded by the text '31st OCTOBER 2022' and 'ARUJI'.
2	CHAPTER 44	ENGINE PT6A-114A 100 HOURS INSPECTION/ MINOR INSPECTION	09/2022 10	-	ARUJI . 6	A blue circular stamp with the number '31' in the center, surrounded by the text '31st OCTOBER 2022' and 'ARUJI'.
3	SCA/MTC/023	EMERGENCY EQUIPMENT CHECKLIST	09/2022 10	-	ARUJI . 6	A blue circular stamp with the number '31' in the center, surrounded by the text '31st OCTOBER 2022' and 'ARUJI'.



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE	CESSNA 208B	TTSN	: 6075 : 37
A/C REG	PK-SNS	TCSN	: 6710
MSN	C208B-2341	DATE	: 09 OCT 2022

TYPE OF INSPECTION	: INSPECTION 100 HOURS
DUE AT	: 6079 HOURS
REF	: MP 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
ARUJI GUMILANG	AIRFRAME & POWER PLANT	9696/SCA 37	<i>[Signature]</i> 37	10/2022
	EIRA			10/10

THE NEXT DUE TYPE OF INSPECTION : 200 HOURS INSPECTION

DUE AT : 6179.00 HOURS

Form: SCA/MTC/049



MAINTENANCE PROGRAM
CESSNA C208/C208B

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

Reg. Mark	: PK - SNS	Date	: 09 OCTOBER 2022
MSN	: C208B-2341	Station	: TANAH MERAH
TSN / CSN	: 6075 : 37 / 6710	WO No.	: WO/109-SNS/X/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. 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).		



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>AN6235-3A</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 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
ARUJI GUMILANG	ENGINEER		9696
FIRMAN TOSI . H	MECHANIC		
RIYAH	MECH. OJT		

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 : <u>ARUJI GUMILANG</u>	Stamp :
Signature :	Place/Date : TMH / 09 OCTOBER 2022



**EMERGENCY EQUIPMENT
LIST
INSPECTION & MONITOR**

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

DATE : 09 OCT 2022	A/C REG : PK-SNS
A/C TYPE : C208B	CHECKER : ARKJI . G. SIGN:  

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01202 - 201	21031 090006	MARCH 2030	Good.
2	Co-Pilot Life Vest	P01202 - 201	19091660009	APR 2029	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	FIRT AID KIT	0721 - 2119	JULY 2022	JULY 2023
14	Crash Axe Installed	LOCAL	NSN	-	Good.
15	Fire Extinguisher	C 352	X 690527	OCT 2022	Good.
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)		/		
OTHERS					
	FLASH LIGH	-	-	-	Good.





Additional Work Sheet

Inspection 100 Hours

Aircraft Registration: **PK-SNS**

WO# NR: WO/109-SNS/X/2022

Date	Part Nr.	Serial Nr.	Description	Quantity	Engineer
09 OCT 2022.	KITS 100 Hrs	100 Hrs KITS	1 KITS	1 KITS	ARUJI GUMULANG
	PT6 - 114				



Additional Work Sheet
Inspection 100 Hours

Aircraft Registration: PK-SNS

WO# Nr: WO/109-SNS/X/2022

Parts Used Sheet

1

No.	Description	Due Date	Engineer
1	TORQUE WRENCH (102688 39)	Feb 2023	ARJU/ GUMILANG
2	PRESSURE GAUGE (776 - 300 PSI)	-	ARJU/ GUMILANG
3	OIL PULLER, (LOCAL MADE)	-	ARJU/ GUMILANG



AIRCRAFT FLIGHT MAINTENANCE LOG