



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : 100 Hours Engine Inspection	No.	WO/015-SNN/VIII/2023
	Date	11 Aug 2023
	A/C Reg.	PK-SNN C208B-5706
Reference : MP C208B Issued 01	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform 100 Hours Inspection Due at 500 FH.
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</i>	Sign & Date Company Lic. No.: SCA 021 <i>[Signature]</i> 15/08/2023 Ridwan G. (Engineer In Charge) 	Signature <i>[Signature]</i> (Technical Manager)
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AIRCRAFT CHECK WORK SUMMARY
(Form: SCA/MTC/051)

DATE OF ISSUED	JOWO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
11 Aug 2023	WO/015/SNN/VIII/2023	100 Hours Inspection	15 AUG 2023		
A/C Type		Mfg. Serial Number	A/C Registration		
C208B		C208B-5706	PK-SNN		
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-VA0836	494:50/547		
	#2	-			
Propeller/Rotor	#1	220588	494:50/547		
	#2	-			
Landing Gear	NLG		494:50/547		
	LH MLG		494:50/547		
	RH MLG		494:50/547		
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					

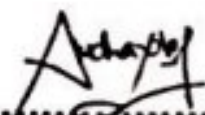
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<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					
<u>IC-011</u>					
<u>IC-012</u>					
<u>IC-013</u>					
<u>IC-014</u>					
<u>IC-015</u>					

Prepared by :
Technical Support

Checked by :
Chief Maintenance

Verified by :
Chief Inspector

Approved by :
Technical Manager


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Dwi M.


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Dodit


.....
Yanuar


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Istiono



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

WO Ref: WO/015-SNN/VIII/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B08	PT6A-140 ENGINE GROUND RUN PERFORMANCE	15/23 08		Ridzal.G	
2	APPENDIX D08	ENGINE PT6A-140 100 HOUR INSPECTION/ MINOR INSPECTION	15/23 08		Ridzal.G	
3	SCA/MTC/0 23	EMERGENCY EQUIPMENT CHECK	15/23 08		Ridzal.G	



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION

(CRS-SMI)

A/C TYPE : CESSNA 208B TTSN : 494:50
A/C REG : PK-SNN TCSN : 547
MSN : C208B-5706 DATE : 15 AUG 2023

TYPE OF INSPECTION : INSPECTION 100 HOURS
DUE AT : 500 FH
REF : MP 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
Ridzal Ghazali	AIRFRAME & POWER PLANT	3694 SCA021	 	15/2023 08
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 200:00 FH
DUE AT : 600:00 FH

Form: SCA/MTC/049

		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			

MAINTENANCE PROGRAM

CESSNA 208/208B

Appendix B08 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - SN

WO/FML No. : WO/015-SMN/VIII/2023

PRE – INSPECTION	
Location	MALINAU
Date	15-08-2023
Cycle	
Filed Barometric	29.88
OAT	32°C
Altitude	80 FT

POST – INSPECTION	
Location	MALINAU
Date	15-08-2023
Cycle	
Filed Barometric	29.88
OAT	32°C
Altitude	80 FT

PRE – INSPECTION		
	Target	Actual
Tq		2397
Np		1890
ITT	°C	805 °C
Ng	%	100.6 %
Wf		527
Oil Press		90 °C
Oil Temp		68 °C
Start Temp		641 °C

POST – INSPECTION		
	Target	Actual
Tq		2397
Np		1900
ITT	°C	800 °C
Ng	%	100.1 %
Wf		529
Oil Press		91 °C
Oil Temp		63 °C
Start Temp		657 °C

Engine Run Up Checks							
Inertial	☒	EPL	☒	OVG	☒	Stby Alt	☒
BOV	☒	Brake	☒	Randown	☒		
NOTE: 1. Brake system at Torque 2000 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 55.5 - 57% 40Amps. 6. High idle at 64 - 66% Ng 40Amps							

Engine Performance Target Table (Cessna C208B EX)

OAT (°C)	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Tq (ft.lbs)	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397	2397
Np	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
ITT (°C)	835	837	839	841	841	841	841	841	841	842	843	844	846	846	846
Ng (%)	102.7	102.7	102.7	102.7	102.7	102.7	102.7	102.6	102.6	102.6	102.6	102.6	102.6	102.6	102.5
WF (PPH)	578	578	578	578	578	578	578	570	565	565	560	560	555	548	548

Note:

- Make sure that inertial separator in normal condition, no bleed air extracted from the engine and air condition OFF.
- This table only applies to altitude 0-500 feet MSL. For higher altitude, refer to EMM 72-00-00.
- Max fuel flow is 580 lb/hr fuel flow is not more than 15 lbs/hr higher than the value shown in table.
- If parameters are outside the target performance table to EMM chapter 71-00-00.

REMARKS:

-ALL ENGINE PARAMETER WITHIN LIMIT-

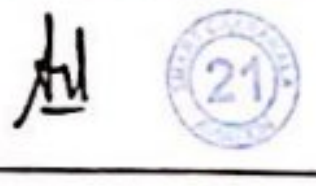
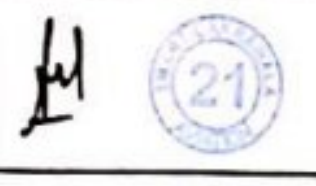
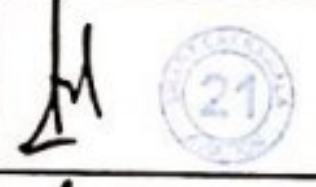
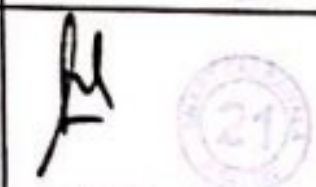
PERFORMED BY			
Name	Sign & Stamp	Date	Location
Ridzal. G		15/08/2023	MALINAU

MAINTENANCE PROGRAM CESSNA 208/208B

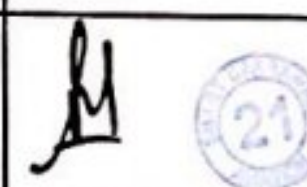
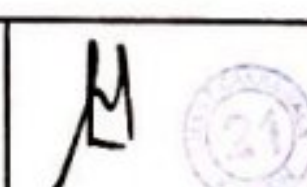
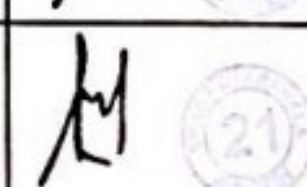
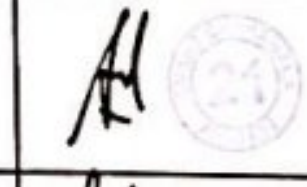
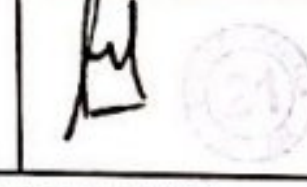
Appendix D08 – Engine PT6A-140 100 Hours/Minor Inspection

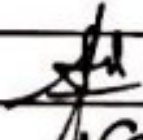
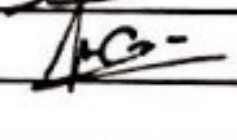
Reg. Mark : PK-SN
MSN : C208B-5706
TSN / CSN : 494:50/547

Date : 15-08-2023
Station : MALINAY
WO No. : WO/015 SN/VIII/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
F710001	130	Do a check of the FCU manual override system for static operation. For the engines installed with a manual override system only.		
F710003	130	Do a compressor performance recovery wash		
F720000	130	Do a visual inspection of the Control Linkages and wiring.		
F720001	130	Do a visual inspection of the engine exhaust duct welds.		
F720002	130	Do a visual inspection of the engine exhaust duct for cracks.		
F720003	130	Do a visual inspection of the gas generator case and the center fireseal.		
F720004	130	Do a visual inspection of the rear fireseal mounting ring.		
F722001	130	Do a visual inspection of the air inlet screen.		
F723000	130	Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion		
F725005	130	Do a detailed inspection of the turbine exhaust duct.		
F731002	130	Do a check for the fuel pump installation and leaks.		
F731003	130	Do a check of the oil-to- fuel heater installation		

Appendix D08 – Engine PT6A-140 100 Hours/Minor Inspection

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
F731035	130	Do a visual Inspection of the Fuel - Oil Heat Exchanger Fuel Filter Element (CLEANING / REPLACEMENT) P/N OFF: <u>AN6235-3A</u> P/N ON: <u>AN6235-3A</u>		
F731006	130	Do a check of the drain valve for installation and leaks		
		NOTE: There is no need to remove the drain valve if there is no leaks.		
F731007	130	Do a check of the flow divider for installation and leaks.		
F731008	130	Do a visual inspection of the P3 filter and drain valve.		
F731015	130	Do a visual inspection of Fuel Pump outlet filter. (CLEANING / REPLACEMENT) P/N OFF: <u>AN6235-3A</u> P/N ON: <u>AN6235-3A</u>		
F731018	130	Clean or replace the P3 filter based on condition, service experience or environment. Note: If corrossions are found, replace filter.		
F732001	130	Do a check of the FCU for installation, linkages and pneumatic tubes.		
F792000	130	Inspect and clean oil filter for debris.		
*** End of Engine PT6A-140 100 Hours/Minor Inspection Items ***				

PERSONNEL PARTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER
Izidra. G	ENGINEER		9634
BASRI	MECHANIC		



MAINTENANCE PROGRAM CESSNA 208/208B

Appendix D08 – Engine PT6A-140 100 Hours/Minor Inspection

RETURN TO SERVICE

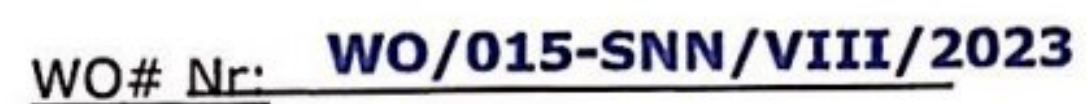
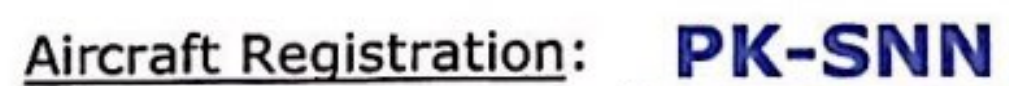
The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : Ridza Ghazali Place/Date : MALINAU, 15-08-2023
Sign & Stamp :  

	EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR	PT. SMART CAKRAWALA AVIATION DEPARTMENT TEKNIK Form: SCA/MTC/023
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DATE : 15 AUG 2023	A/C REG : PK-SNN	
A/C TYPE : C208B	CHECKER : Rizal - G	SIGN: 

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01074-201	22081470027	DEC 2023	GOOD
2	Co-Pilot Life Vest	P01074-201	22081470006	DEC 2023	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	FL 220	-	20 DEC 2023	GOOD
14	Crash Axe Installed	NSN	NSN	-	GOOD
15	Fire Extinguisher	C 352	H-21670995	DEC 2023	GOOD
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					



Parts Used Sheet

[illegible]



Parts Used Sheet

WO# Nr: WO/015-SNN/VIII/2023
Part Used

[illegible]