



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 100 Hours Engine Insp.	No.	WO/053-SNA/X/2023
	Date	11 Oct 2023
	A/C Reg.	PK-SNA C208B-5634
Reference : MP C208B ISSUED 01	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		

Description :

1. Perform Inspection 100 Hrs Engine @2900Hrs
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 <i>-CARRIED OUT-</i>	Sign & Date Company Lic. No.: SCA021 <i>[Signature]</i> RIPZAL CAKRAWALA (Engineer In Charge) 14-10-2023 	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 Oct 2023	WO053-SNA/X/2023	Inspection 100Hrs	14 OCTOBER 2023		
A/C Type	Mfg. Serial Number	A/C Registration			
C208B	C208B-5634	PK-SNA			
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-VA0730	2897:13/4567		
	#2	-			
Propeller/Rotor	#1	200483	2897:13		
	#2	-			
Landing Gear	NLG		2897:13/4567		
	LHMLG		2897:13/4567		
	RHMLG		2897:13/4567		
PACKAGE COVERED					
No	Subject	Qty	Remark		
1	Non-Routine Card	-			
2	Inspection Card	-			
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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SUMMARY INSPECTION ITEMS
(Form: SCA/MTC/050)

WO Ref: WO/053-SNA/X/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B08	PT6A-140 ENGINE GROUND RUN	14/10/2023		RIDZAL G	
2	APPENDIX D08	PT6A-140 ENGINE 100 HOURS INSPECTION	14/10/2023		RIDZAL G	
3	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	14/10/2023		RIDZAL G	



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : CESSNA 208B	TTSN : 2837:13
A/C REG : PK-SNA	TCSN : 4567
MSN : C208B-5634	DATE : 14-10-2023

TYPE OF INSPECTION : INSPECTION 100 HOURS
 DUE AT : 2900 HOURS
 REFF : 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	9694 SCA 021	 	14 / 10 / 2023
—	EIR	—	—	

THE NEXT DUE TYPE OF INSPECTION : 1000 HOURS ENGINE.
 : 200 HOURS AIRFRAME
 DUE AT : 3000 HOURS

Form: SCA/MTC/049



MAINTENANCE PROGRAM CESSNA 208/208B

Appendix B08 – PT6A-140 Engine Run Performance Sheet

Reg. Mark

: PK - SNA

WO/FML No. : WO/653-SNA/X/2023

PRE – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

POST – INSPECTION	
Location	TAMM MERAH
Date	14-10-2023
Cycle	
Filed Barometric	29.80 IN
OAT	31°C
Altitude	30 FT

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		2387
Np		1900
ITT	°C	835 °C
Ng	%	99.8 %
Wf		539
Oil Press		93 °C
Oil Temp		58 °C
Start Temp		623 °C

Engine Run Up Checks							
Inertial	☒	EPL	☒	OVG	☒	Stby Alt	☒
BOV	☒	Brake	☒	Random	☒		
NOTE: 1. Brake system at Torque 2000 ft-lbs. 3. EPL check can't exceed 4% Ng per second. 5. Low idle at 55.5 - 57% 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 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:

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 580 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:

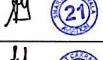
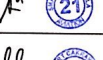
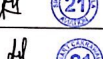
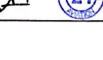
- ALL ENGINE PARAMETER
WITHIN LIMIT -

PERFORMED BY			
Name	Sign & Stamp	Date	Location
RIOZAL-G		14/10/2023	TMMH

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

Reg. Mark : PK - SNA
 MSN : C708B-5634
 TSN / CSN : 2807:13 / 4567

Date : 14-10-2023
 Station : TANAH MERAH
 WO No. : WO/053-SNA/14/2023

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
<u>DIPAL K. HAZARI</u>	<u>ENGINEER</u>		<u>9694</u>

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 : RIDAL GHAZALI Place/Date : JMH, 14-10-2023
Sign & Stamp :  

	EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR	PT. SMART CAKRAWALA AVIATION DEPARTMENT TEKNIK Form: SCA/MTC/023
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DATE : 14-10-2023	A/C REG : PK-SNA
A/C TYPE : C208B	CHECKER : Rizal G SIGN:  

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01202-201	21031090020	MARCH 2030	GOOD
2	Co-Pilot Life Vest	P01202-201	21031090008	MARCH 2030	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	First Aid Kit	FAK	0221-1898	FEB 2024	GOOD
14	Crash Axe Installed	NPN	NPN	ON CONDITION	GOOD
15	Fire Extinguisher	C362	E-4053481	JULY 2024	GOOD
16	Life Raft (If Installed)	-	-	-	-
17	Survival Kit (If Installed)	FL220	105755	JAN 2024	GOOD
OTHERS					
18.	FLASH LIGHT	NPN	NPN	ON CONDITION	GOOD



Additional Work Sheet
100 Hrs Insp.

Aircraft Registration: PK-SNA

Tools Used Sheet

WO# Nr: WO/ 053-SNA/ X/ 2023

Special Tool Used

[illegible]

