



**PT. SMART CAKRAWALA AVIATION**

**WORK ORDER**

**Form: SCA/MTC/030**

<b>Subject :</b> <b>100 Hours Engine Inspection</b>	No.	WO/002-SNT/XII/2022
	Date	27 Dec 2022
	A/C Reg.	PK-SNT C208B-5707
<b>Reference :</b> <b>MP C208B Rev. 12</b>	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

**Description :**

1. Perform 100 Hours Engine Inspection
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	Sign & Date Company Lic. No.:  (Engineer In Charge)	Signature  (Technical Manager)
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**AIRCRAFT CHECK WORK SUMMARY**  
**(Form: SCA/MTC/051)**

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
	WO/002-SNT/XII/2022	100 Hours	

A/C Type	Mfg. Serial Number	A/C Registration
C208B	C208B-5707	PK-SNT

**AIRCRAFT DATA**

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-VA0838	
	#2	-	
Propeller/Rotor	#1	211046	
	#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>					

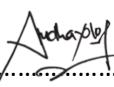
<u>IC-007</u>					
<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					
<u>IC-011</u>					
<u>IC-012</u>					
<u>IC-013</u>					
<u>IC-014</u>					
<u>IC-015</u>					

Prepared by :  
Technical Support

Checked by :  
Chief Maintenance

Verified by :  
Chief Inspector

Approved by :  
Technical Manager

  
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Dwi M.

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

WO Ref: WO/002-SNT/XII/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B03	PT6A-140 ENGINE GROUND RUN PERFORMANCE				
2	CHAPTER 51	ENGINE PT6A-140 100 HOUR INSPECTION/ MINOR INSPECTION				
3	SCA/MTC/0 23	EMERGENCY EQUIPMENT CHECK				



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE	: CESSNA 208B		TTSN	:
A/C REG	: PK-SNT		TCSN	:
MSN	: C208B-5707		DATE	:
TYPE OF INSPECTION	: 100 Hours Engine Inspection			
DUE AT	: 100 Hours			
REFF	: MP C208B REV. 12			
EXCEPTION				
<b>AUTHORIZED PERSON</b>				
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
	AIRFRAME & POWER PLANT			
	EIRA			
THE NEXT DUE TYPE OF INSPECTION	:			
DUE AT	: HOURS			
<b>Form: SCA/MTC/049</b>				

	<b>INSPECTION CARD</b> <b>(Form: SCA/MTC/ 048)</b>				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 #					
C208B								
9. ZONE	10. STA	11. MTC TYPE						
13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20						14	15	
						PPC/ENG	DATE	
16. CORRECTIVE ACTION						17	18	19
						MECH	ENG. LIC	DATE
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	DATE	
NOTICE OF INSPECTOR								
22. PARTS REQUIRED								
PART DESCRIPTION		PART NO		QTY	SERIAL NO		STATUS	
				ON	OFF		CLOSE	OPEN



## MAINTENANCE PROGRAM

### CESSNA C208/C208B

#### Chapter 51 – Engine PT6A-140 100 Hours/Minor Inspection

Reg. Mark : PK - Date : \_\_\_\_\_  
MSN : \_\_\_\_\_ Station : \_\_\_\_\_  
TSN / CSN : \_\_\_\_\_ WO No. : \_\_\_\_\_

ITEM CODE NO.	ZONE	TASK	SIGNATURE		DATE
			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			
F731035	130	Do a visual Inspection of the Fuel - Oil Heat Exchanger Fuel Filter Element  <b>(CLEANING / REPLACEMENT)</b> P/N OFF: _____ P/N ON: _____			



## MAINTENANCE PROGRAM

### CESSNA C208/C208B

#### Chapter 51 – Engine PT6A-140 100 Hours/Minor Inspection

ITEM CODE NO.	ZONE	TASK	SIGNATURE		DATE	
			SIGN	STAMP		
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.  <b>(CLEANING / REPLACEMENT)</b> P/N OFF: _____ P/N ON: _____				
F731018	130	Clean or replace the P3 filter based on condition, service experience or environment. <b>Note:</b> If corosions 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 Inspection Items ***						

PERSONNEL PRTICIPATING IN THIS INSPECTION			
NAME	POSITION	SIGNATURE	LICENSE NUMBER

#### 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 : \_\_\_\_\_ Stamp : \_\_\_\_\_

Signature : \_\_\_\_\_ Place/Date : \_\_\_\_\_



**EMERGENCY EQUIPMENT  
LIST  
INSPECTION & MONITOR**

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

<b>DATE :</b>	<b>A/C REG : PK-SNT</b>
<b>A/C TYPE : C208B</b>	<b>CHECKER :</b> <b>SIGN:</b>

<b>No.</b>	<b>Description</b>	<b>P/N</b>	<b>S/N</b>	<b>Next Insp.</b>	<b>Remarks</b>
1	<b>Pilot Life Vest</b>				
2	<b>Co-Pilot Life Vest</b>				
3	<b>Pax Life Vest</b>				
4	<b>Pax Life Vest</b>				
5	<b>Pax Life Vest</b>				
6	<b>Pax Life Vest</b>				
7	<b>Pax Life Vest</b>				
8	<b>Pax Life Vest</b>				
9	<b>Pax Life Vest</b>				
10	<b>Pax Life Vest</b>				
11	<b>Pax Life Vest</b>				
12	<b>Pax Life Vest</b>				
13	<b>Firt Aid Kit</b>				
14	<b>Crash Axe Installed</b>				
15	<b>Fire Extinguisher</b>				
16	<b>Life Raft (If Installed)</b>				
17	<b>Survival Kit (If Installed)</b>				
<b>OTHERS</b>					



# MAINTENANCE PROGRAM

## CESSNA C208/C208B

### Appendix B03 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - SNT

WO/FML No. : WO/002-SNT/XII/2022

PRE – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

POST – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

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		
Np		
ITT	°C	°C
Ng	%	%
Wf		
Oil Press		°C
Oil Temp		°C
Start Temp		°C

Engine Run Up Checks							
Inertial	<input type="checkbox"/>	EPL	<input type="checkbox"/>	OVG	<input type="checkbox"/>	Stby Alt	<input type="checkbox"/>
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:**

PERFORMED BY			
Name	Sign & Stamp	Date	Location



## **Additional Work Sheet 100 Hours Insp.**

Aircraft Registration: **PK-SNT**

WO# Nr: WO/002-SNT/XII/2022

## Parts Used Sheet

1

## **Special Tool Used**



## **Additional Work Sheet 100 Hours Insp.**

Aircraft Registration: **PK-SNT**

WO# Nr: WO/002-SNT/XII/2022

## Parts Used Sheet

2

## Part Used