PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : **FLYABLE STORAGE, PRESERVATION & DEPRESERVATION**	No.	WO/046-SNI/VIII/2023
	Date	29 Aug 2023
	A/C Reg.	PK-SNI C208B-5068
Reference : MP C208B Issued 01	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Flyable Storage, Preservation&Depreservation
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)

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
29 Aug 2023	WO/046-SNI/VIII/2023	STORAGE	

A/C Type	Mfg. Serial Number	A/C Registration
C208B	C208B-5068	PK-SNI

AIRCRAFT DATA

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-VA0073	
	#2	-	
Propeller/Rotor	#1	200707	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		

PACKAGE COVERED

No	Subject	Qty	Remark
1	Non-Routine Card	2	
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					

IC-007					
IC-008					
IC-009					
IC-010					
IC-011					
IC-012					
IC-013					
IC-014					
IC-015					

Prepared by :	Checked by :	Verified by :	Approved by :
Technical Support	Chief Maintenance	Chief Inspector	Technical Manager
.....	.....	.....	.....
Dwi M.	Dodit	Yanuar	Istiono

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

WO Ref: WO/046-SNI/VIII/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B08	PT6A-140 ENGINE GROUND RUN PERFORMANCE				
2	APP E06.7	PROPELLER BALANCING				
3	APP E03.2	FLYABLE STORAGE				
4	APP E03.4	FLYABLE STORAGE RTS				
5	NRC 001	PT6A-140 PRESERVATION 8-28 DAYS				
6	NRC 002	PT6A-140 DEPRESERVATION 8-28 DAYS				

PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: CESSNA 208B	TTSN	:
A/C REG	: PK-SNI	TCSN	:
MSN	: C208B-5068	DATE	:

TYPE OF INSPECTION : FLYABLE STORAGE, PRESERVATION&DEPRESERVATION
DUE AT : -
REFF : MP C208/C208B ISSUED 01

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
	AIRFRAME & POWER PLANT			
	EIRA			

THE NEXT DUE TYPE OF INSPECTION :

DUE AT :

Form: SCA/MTC/049

smartaviation	**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

NON ROUTINE CARD
(Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/046-SNI/VIII/2023		**PRESERVATION**	**PK-SNI**
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
#001	**72**		
9. ZONE	10. PANEL		

11. DESCRIPTION

PERFORM PT6A-140 ENGINE PRESERVATION 8-28 DAYS

REFERENCE	[X] EMM	[ ] AMM	[ ] OTHER
RII (*)	[ ] Y	[X] N	MHR :

12. RESULT				MECH	ENG	INSP (*)
Performed at A/C TT : ..... A/C TC /LDG :						
FINDING	[ ] Y	[ ] N	ACT MHR :	DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #						

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS
FILTER ELEMENT	D9-18-1 / C294502-0201	1		

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

NON ROUTINE CARD
(Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/046-SNI/VIII/2023		**DEPRESERVATION**	**PK-SNI**
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
#002	**72**		
9. ZONE	10. PANEL		

11. DESCRIPTION

PERFORM PT6A-140 ENGINE DEPRESERVATION 8-28 DAYS

REFERENCE	[X] EMM	[ ] AMM	[ ] OTHER
RII (*)	[ ] Y	[X] N	MHR :

12. RESULT				MECH	ENG	INSP (*)
Performed at A/C TT : ..... A/C TC /LDG :						
FINDING	[ ] Y	[ ] N	ACT MHR :	DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #						

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS
FILTER ELEMENT	D9-18-1 / C294502-0201	1		

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

D. General

(1) You must record the depreservation done in the engine logbook and on tags attached to the engine.

Subtask 72-00-00-630-001

E. Depreservation Schedule - 0 to 7 days

(1) No depreservation necessary.

Subtask 72-00-00-630-002

F. Depreservation Schedule - 8 to 28 days

(1) Remove covers from inlet and exhaust openings, and moisture barriers.

(2) Make sure that all engine openings are clear and not clogged.

(3) Remove desiccant bags and racks if applicable.

Subtask 72-00-00-630-003

G. Depreservation Schedule - 29 to 90 days

(1) Do the depreservation schedule - 8 to 28 days. (Refer to Subtask 72-00-00-630-002).

(2) Fill engine oil tank (Ref. Task 72-00-00-640-805).

(3) Do the depreservation of the engine fuel system. (Refer to Task 72-00-00-630-802).

Subtask 72-00-00-630-004

H. Depreservation Schedule - more than 91 days

(1) Do the depreservation schedule - 8 to 28 days. (Refer to Subtask 72-00-00-630-002).

(2) Examine all external cases for some corrosion, and protective coating for wear. Repair as necessary.

(3) Remove the compressor inlet screen. Examine the case and flanges you can see for some corrosion. If you find some corrosion, examine inner sections of AGB and RGB with a borescope. If the corrosion is more than specified limits, send engine to an approved overhaul facility.

(4) Slowly turn the propeller by hand, and check for stiffness, then listen for rubbing or binding (Ref. Task 05-50-00-210-821).

(5) Do the depreservation schedule - 29 to 90 days. (Refer to Subtask 72-00-00-630-003).

(6) Start the engine (Ref. Task 71-00-00-760-806), then do the steps that follow:

- Pre-operational Check
- Prestart Check
- Wet Motoring Run
- Dry Motoring Run
- Engine Starting Checks

(1) Preservation of engines in service must agree with the period of inactivity and if or not you can turn the engine during the inactive period. To know if an engine is inactive, when not operated on the ground, or in flight for a minimum of ten minutes after the oil temperature becomes stable.

(2) Record the preservation done in the engine logbook and on tags attached to the engine.

(3) For an engine inactive in a severe environment such as very high temperature changes, high humidity, salt-laden or harsh atmosphere, it is recommended to preserve the engine to the next higher schedule or start the engine and operate more frequently for 10 minutes minimum.

(4) If you do the preservation of an engine, to a schedule (91 days to 1 year) and at this time the engine will be inactive for more than 1 year. You must do the depreservation of the engine, then examined and do a test per the 91 days to 1-year depreservation schedule instructions. then remove the engine, do the preservation of an engine per the schedule and keep it in an engine container.

Subtask 72-00-00-620-001

E. Preservation Schedule - Engines inactive 0 to 7 days

(1) If the engine is operated in a salt-laden or harsh environment, do a compressor and turbine desalination wash (Refer to Task 71-00-00-160-807).

(2) No preservation protection is necessary if the engine is in the conditions that follow:

(a) The engine is in a hanger.

(b) The humidity is less than 40%.

(c) No condensation because of temperature changes.

(3) Install the protective covers on all the engine openings to keep out dirt, moisture, and unwanted objects.

Subtask 72-00-00-620-002

F. Preservation Schedule - Engines inactive 8 to 28 days

(1) Do the preservation schedule - engines inactive 0 to 7 days. (Refer to Subtask 72-00-00-620-001).

(2) In the engine exhaust duct only, position desiccant bags on wooden racks and humidity indicators.

(3) Seal off all the engine openings. Make sure that the exhaust covers have the correct windows to monitor the humidity indicators.

(4) If you keep the engine externally, examine the relative humidity at two-week intervals. If you keep the engine internally, examine the relative humidity at 28-day intervals. The relative humidity factor must keep at 40%.

NOTE: If the humidity indicator turns pink, you must replace the desiccant bags and indicator or reactivated. (Refer to Task 70-00-00-990-812).

Reg. Mark : PK - _____ Date : _____

MSN : _____ Station : _____

TSN / CSN : _____ WO No. : _____

Perform procedures below if the aircraft inactive after **2 Weeks (14 Days)**.

NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
Storage Preparation				
01	ALL	Rotate airplane after 2 weeks, rotate tires to prevent flat areas. Mark with tape to ensure minimum 90 degrees from previous position.		
02	ALL	If the relative humidity (as indicated on the humidity indicator) is less than 40 percent, no further action is required. If humidity indicated exceeds 40 percent, the desiccant bags must be replaced by freshly activated desiccant bags.		
*** End of Flyable Storage (After 2 Weeks) Items ***				

PERSONNEL PARTICIPATING 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 : _____ Place/Date : _____

Sign & Stamp : _____

Reg. Mark : PK - _____ Date : _____

MSN : _____ Station : _____

TSN / CSN : _____ WO No. : _____

Perform procedures below prior return to service the aircraft after flyable storage.

NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
07	ALL	Connect battery.		
08	ALL	Remove desiccant bag. (If applicable)		
09	ALL	Ensure all previously sealed engine openings are reopened and unobstructed.		
10	ALL	Perform a thorough preflight inspection.		
*** End of Flyable Storage (RTS) Items ***				

PERSONNEL PARTICIPATING 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 : _____ Place/Date : _____

Sign & Stamp : _____

Reg. Mark : PK - Date :

MSN : Station :

TSN / CSN : WO No. :

NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
01	211 212	Perform propeller dynamic balancing refer to Cessna Maintenance Manual 61-11-00.		
*** End of OOP61001 Items ***				

PERSONNEL PARTICIPATING 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 : _____ Place/Date : _____

Sign & Stamp : _____

Appendix B08 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - WO/FML No. :

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 ☐ **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:

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

	EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR	**PT. SMART CAKRAWALA AVIATION** DEPARTMENT TEKNIK Form: **SCA/MTC/023**

DATE :	**A/C REG : PK-SNI**
A/C TYPE : C208	**CHECKER : SIGN:**

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest				
2	Co-Pilot Life Vest				
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				
14	Crash Axe Installed				
15	Fire Extinguisher				
16	Life Raft (If Installed)				
17	Survival Kit (If Installed				
OTHERS					

Additional Work Sheet
Flyable Storage, Preservation & Depreservation

Parts Used Sheet

Aircraft Registration: **PK-SNI**

WO# Nr: **WO/046-SNI/VIII/2023**

Special Tool Used

No.	Description	Due Date	Engineer

Additional Work Sheet
Flyable Storage, Preservation & Depreservation

Parts Used Sheet

Aircraft Registration: **PK-SNI**

WO# Nr: **WO/046-SNI/VIII/2023**

Part Used

Date	Part Nr.	Serial Nr.	Description	Quantity	Engineer