



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject :
100 Hours Engine Inspection

No. WO/018-SNN/IX/2023

Date 23 Sep 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 700 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 :

" NIL "

Compliance
Statement

Sign & Date
Company Lic No.:

Budi Haryono
(Engineer in Charge)

30 SEPTEMBER 2023

Signature

[Signature]
(Technical Manager)

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
23 Sep 2023	WO/018/SNN/IX/2023	100 Hours Inspection	
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	
	#2	-	
Propeller/Rotor	#1	220568	
	#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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Dodit


.....
Yanuar


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Istiono



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

WO Ref: WO/018-SNN/IX/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B08	PT6A-140 ENGINE GROUND RUN PERFORMANCE	30/ 09/2023		Budi-H	
2	APPENDIX D08	ENGINE PT6A-140 100 HOUR INSPECTION/ MINOR INSPECTION	30/ 09/2023		Budi-H	
3	SCA/MTC/0 23	EMERGENCY EQUIPMENT CHECK	30/ 09/2023		Budi-H	



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION

(CRS-SMI)

A/C TYPE : CESSNA 208B

TTSN : 694:33

A/C REG : PK-SNN

TCSN : 773

MSN : C208B-5706

DATE : 30 Sept 2023

TYPE OF INSPECTION : INSPECTION 100 HOURS

DUE AT : 700 FH

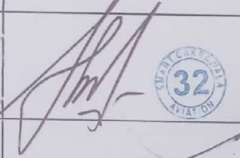
REFF : MP C208B ISSUED 01

EXCEPTION

NOT 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
BUDI HARTOYO	AIRFRAME & POWER PLANT	9506/SEA32		30
	EIRA			09 / 2023

THE NEXT DUE TYPE OF INSPECTION : INSPECTION 800 Hrs AF 900 Hrs Ent.

DUE AT : 800 : 00 Hours.

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	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		
	☐ Environment ☐ Internal Leakage ☐ Chemical Spill ☐ LAV/Galley Spill ☐ Blocked Drain ☐ Wet Insulation Blanket ☐ Other		
CORROSION ☐ Isolated ☐ Widespread			
CORROSION LVL ☐ 1 ☐ 2 ☐ 3			
PROPOSED ACTION ☐ Doublers ☐ Others			

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

Appendix B08 – PT6A-140 Engine Run Performance Sheet

Reg. Mark

: PK - SMH

WO/FML No.

: WO/018-SMH/IX/2023

PRE – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

POST – INSPECTION	
Location	<u>TANAKAN</u>
Date	<u>30 SEPT. 2023</u>
Cycle	
Filed Barometric	<u>23.92</u>
OAT	<u>87 °C</u>
Altitude	<u>70 FEET.</u>

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	<u>2397</u>	<u>2397.</u>
Np	<u>1900</u>	<u>1900</u>
ITT	<u>835 °C</u>	<u>808 °C</u>
Ng	<u>102.7%</u>	<u>100.2 %</u>
Wf	<u>578</u>	<u>560</u>
Oil Press		<u>94 °C</u>
Oil Temp		<u>54 °C</u>
Start Temp		<u>651 °C</u>

Engine Run Up Checks

Inertial ☒ EPL ☒ OVG ☒ Stby Alt ☒ BOV ☒ Brake ☒ Random ☒

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

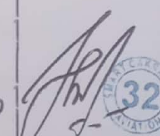
Note:

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 ENGINE GROUND RUN
FOUND SATISFACTORY.

PERFORMED BY

Name	Sign & Stamp	Date	Location
<u>BUDI</u> <u>HARTONO</u>		<u>30</u> <u>09</u> <u>2023</u>	<u>TANAKAN</u>

Issued: 01

SCA/TEK/1-001

15 December 2022

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Reg. Mark : PK - SNM

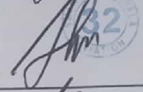
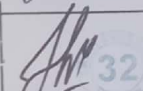
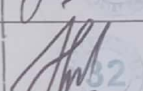
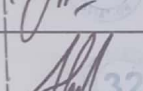
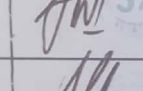
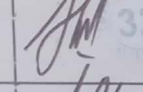
Date : 30 SEPT 2023

MSN : C208B-5706

Station : TARAKAN

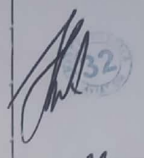
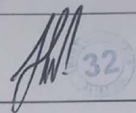
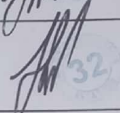
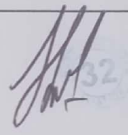
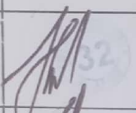
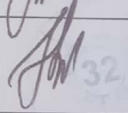
TSN / CSN : 69473/773

WO No. : WD/068-SNM/XX/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		

MAINTENANCE PROGRAM CESSNA 208/208B

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>AN 6235-3A</u> P/N ON: <u>AN 6235-3A</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>AN 6235-3A</u> P/N ON: <u>AN 6235-3A</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
Y0 HPAK SEMPURNG	ENGINEER		



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 : Budi Mantoro

Place/Date : Tek / 30 Sept - 2023

Sign & Stamp : [Signature] 

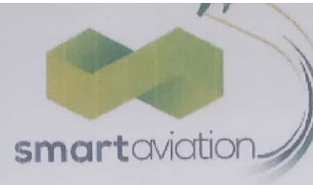


EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR

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

DATE : 30 Sept. 2023	A/C REG : PK-SNN
A/C TYPE : C208B	CHECKER : BUDY H SIGN:

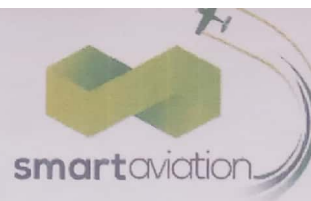
No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	PD 1074-201	22081470027	DEC' 2023	SERVICEABLE
2	Co-Pilot Life Vest	PD 1074-201	22081470006	DEC' 2023	SERVICEABLE
3	Pax Life Vest				
4	Pax Life Vest				
5	Pax Life Vest				
6	Pax Life Vest				
7	Pax Life Vest				
8	Pax Life Vest				
9	Pax Life Vest				
10	Pax Life Vest				
11	Pax Life Vest				
12	Pax Life Vest				
13	First Aid Kit	FL 220	-	20 DEC' 2023	SERVICEABLE
14	Crash Axe Installed	NSM	NSM	-	SERVICEABLE
15	Fire Extinguisher	C 352	H-21670495	DEC' 2023	SERVICEABLE
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					



Parts Used Sheet

WO# Nr: WO/018-SNN/IX/2023

No.	Description	Due Date	Engineer
1.	TORQUE WRENCH	1 SEPT. 2024	Budi H.
2.	OIL PULLER	1 MAY 2024	Budi H.
3.	PRESSURE GAUGE		Budi H.
4.	MICROMETER		Budi H.



Additional Work Sheet 100 Hours Inspection

Aircraft Registration: **PK-SNN**

Parts Used Sheet

WO# Nr: **WO/018-SNN/IX/2023**

Date	Part Nr.	Serial Nr.	Part Used	Description	Qty	Engineer
30 Sept-2023	PT6A-140			100 Hrs KIT 140 /C208 B-EX	1 EA	Budi H.
?	AM 6235-3A	?		FILTER	?	?
?	M259 88-1-212	?		O-RING	?	?
?	M259 88-1-928	?		O-RING	?	?
?	M259 88-1-916	?		O-RING	?	?
?	AM 6235-3A	?		FOME FUEL FILTER	2	?
30 Sept-2023	M83485-1-212			FOME FILTER	1 EA	Budi H
?	M83485-1-135	?		FOME FILTER	1 EA	Budi H
?	M83485-1-904	?		FOME FILTER		
?	AS 3209-224	?		Oil FILTER	?	?
?	AS 3209-143	?		Oil FILTER	?	?
?	AS 3209-120	?		Oil FILTER	?	?
?	AS 3209-014	?		P3 FILTER	?	?
?	AS 3209-015	?		P3 FILTER	?	?
30 Sept-2023	AS 3209-126			P3 FILTER	1 EA	Budi-
	3010 880			GASKET	2 EA	Budi-