



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 100 Hours Engine Insp.	No.	WO/046-SNA/VII/2023
	Date	18 Jul 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 @2500Hrs
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

Carried Out

Sign & Date

Company Lic. No.:

[Signature]
D. Arya Permana
(Engineer In Charge)



24/07/2023

Signature

[Signature]
(Technical Manager)

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

DATE OF ISSUED	JOWO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
18 Jul 2023	WO/046-SNA/VII/2023	Inspection 100Hrs	24 July 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	2497:07 / 3795
	#2	-	
Propeller/Rotor	#1	200483	2497:07 / 3795
	#2	-	
Landing Gear	NLG		2497:07 / 3795
	LH MLG		2497:07 / 3795
	RH MLG		2497:07 / 3795

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>	#32-20-00	NOSE LANDING GEAR BEARING CONE WORN OUT		✓	DEK...
<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.


.....
Dodit


.....
Yanuar


.....
Istiono

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

WO Ref: WO/046-SNA/VII/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B08	PT6A-140 ENGINE GROUND RUN	24/07/23		Arya	
2	APPENDIX D08	PT6A-140 ENGINE 100 HOURS INSPECTION	24/07/23		Arya	
3	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	24/07/23		Arya	



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE : CESSNA 208B

TTSN : 24 97:07

A/C REG : PK-SNA

TCSN : 3795

MSN : C208B-5634

DATE : 24 July 2023

TYPE OF INSPECTION : INSPECTION 100 HOURS

DUE AT : 2500 HOURS

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
D. Arya Permana.	AIRFRAME & POWER PLANT	9505 / SCA 031	 	24 July 2023
-	EIRA	-	-	

THE NEXT DUE TYPE OF INSPECTION : 200 Hrs.

DUE AT : 2800 FH.

Form: SCA/MTC/049

		INSPECTION CARD (Form: SCA/MTC/ 048)		TECHNICAL DEPARTMENT	
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1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE	
IC001	WO/046-SNA/11/2023.			24 July 2023.	
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER#		
C208B-5634	PK-SNA				
9. ZONE	10. STA	11. MTC TYPE			
MLG	TML1.				

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14	15
	PPC/ENG	DATE
Nose Landing Gear. Bearing Cone was worn out.	DEWI	24/July/23

16. CORRECTIVE ACTION	17	18	19
	MECH	ENG. LIC	DATE
Removed and Replaced Bearing Cone with the New. 1AW C208B - ANMM Chapter 32-20-00. Performed at A/C TT: 2497:07..... A/C TC/LDG: 3795.		 DEWI 9632	24/July/23

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
Bearing Cone.	219-00200	1	-	-	✓	

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS
General tools	-	-	OK

INSTALLATION DATA

Date: 24/07/2023.
A/C Reg.: PK-SNA. A/C Total Time: 2497:07
Position on A/C: TMH. A/C Total Landing: 3795.
Technical Log Sheet Page No.: WFO/046-SNA/vii/2023.

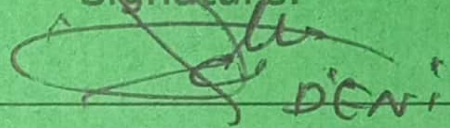
Engineer Name:

DENI SORACI

Lic/Auth. No.:

SCA 20 9632

Signature:


DENI

Note:

Please return this Tag to Technical Record, for further data processing after Completion and Released by the LAME



SERVICEABLE TAG

Part Number: 214 - 00200		Description: Bearing Cone	
Serial Number: -	Qty.: 1 EA.	☐ Form 8130-4 For Class 1 Product	☐ DAAO From 21-18 For Class II/III Product
Order Number: 720215-10	Receipt Date: 01/06/2022	☐ C of C For Class II Product Only	
Mfg. Date:	Vendor / Approved Shop: Parker	The Part Identified has been : ☐ Inspected only ☐ Repaired ☒ New ☐ Other	
TSN: N SN	Shelf Life Expiry Date: N/A	CERTIFICATE OF RELEASE TO SERVICE	
Remarks: Good.	TSO: N/A	<i>I hereby certify that the work recorded above have been carried out in accordance with the requirements of the Indonesia Civil Aviation Safety Regulations applicable thereto and is airworthy</i>	
	Store Inspector:		
	Main Store:		
Condition: New	Sign/Stamp Authority Date :  Engineer 24/07/2023		

Form: SCA/MTC/022

MAINTENANCE PROGRAM CESSNA 208/208B

Appendix B08 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK- SNA

WO/FML No. : WO/046-SNA/11/2023.

PRE – INSPECTION	
Location	TMH
Date	24 July 2023.
Cycle	
Filed Barometric	1006 HPA
OAT	28°C
Altitude	8074

POST – INSPECTION	
Location	TMH
Date	24 July 2023.
Cycle	
Filed Barometric	1011 HPA
OAT	30°C
Altitude	8074

PRE – INSPECTION		
	Target	Actual
Tq	2397	2397
Np	1900	1890
ITT	837 °C	818 °C
Ng	102.7 %	99.6 %
Wf	578	546
Oil Press		95 °C
Oil Temp		66 °C
Start Temp		685 °C

POST- INSPECTION		
	Target	Actual
Tq	2397	2397
Np	1900	1890
ITT	841 °C	814 °C
Ng	102.7 %	99.7 %
Wf	578	545
Oil Press		95 °C
Oil Temp		65 °C
Start Temp		672 °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.

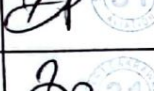
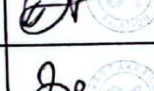
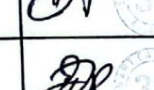
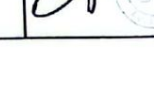
REMARKS:

PERFORMED BY

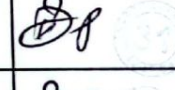
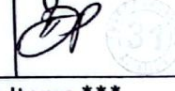
Name	Sign & Stamp	Date	Location
D. Arya . Permara .		24 July 2023	TMH

Reg. Mark : PK - SNA.
MSN : C20813-5634
TSN / CSN : 2497-07/3795

Date : 24 July 2023.
Station : TMT.
WO No. : WO/046-SNA/VII/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 / <u>REPLACEMENT</u>) 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 / <u>REPLACEMENT</u>) 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

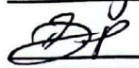


MAINTENANCE PROGRAM CESSNA 208/208B

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 : D. Arya Permana. Place/Date : TMH / 24 July 2023.
Sign & Stamp :  



EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR

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

DATE : 24 July 2023.	A/C REG : PK-SNA
A/C TYPE : C208B	CHECKER : Arya P. SIGN:

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	PO1202-201	21031090020	March 2030	Good.
2	Co-Pilot Life Vest	PO1202-201	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	Firt Aid Kit	FAK	0221-1898	Feb. 2024	Good.
14	Crash Axe Installed	-	-	-	Serv.
15	Fire Extinguisher	C-352.	5-40531481	July-2024	Good.
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)	JSK	105755	Jan 2024	Good.
OTHERS					
18.	Flash light	-	-	-	Serv.



Tools Used Sheet

WO# Nr: **WO/046-SNA/VII/2023**

[illegible]



Additional Work Sheet 100 Hrs Insp.

Aircraft Registration: **PK-SNA**

WO# Nr: WO/046-SNA/VII/2023

Parts Used Sheet

Part Used

[illegible]