



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 400 Hrs Eng.&Add.Eng.Task	No.	WO/041-SNP/IV/2023
	Date	24 Apr 2023
	A/C Reg.	PK-SNP C208B-5495
Reference : MP C208B ISSUED 01	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		
Description : 1. Perform Inspection 400 Hrs Eng.&Add.Eng.Task 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 C/o INSPECTION 400 HRS ENG. ADD. ENG. TASK	Sign & Date 01 MAY 2023 Company Lic. No.: SA 035   (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		
24 Apr 2023	WO/041-SNP/IV/2023	Inspection 400 Hrs Eng & Add.Eng.Task	01 May 2023		
A/C Type		Mfg. Serial Number	A/C Registration		
C208B		C208B-5495	PK-SNP		
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-VA0723	1602:56 / 2568		
	#2	-	-		
Propeller/Rotor	#1	181158	1639:47		
	#2	-	-		
Landing Gear	NLG		4682:15 / 7835		
	LH MLG		4682:15 / 7835		
	RH MLG		4682:15 / 7835		
PACKAGE COVERED					
No	Subject	Qty	Remark		
1	Non-Routine Card	1	✓		
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	32-40-00	REPLACED L/H BRAKE PISTON 4 EA		✓	
IC-002	32-40-00	REPLACED R/H INSULATOR 1 EA		✓	
IC-003	31-40-00	REPLACED R/H BRAKE LINING 4 EA		✓	
IC-004					
IC-005					
IC-006					

<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



Hani

Checked by :
Chief Maintenance



Dodit

Verified by :
Chief Inspector



Yanuar

Approved by :
Technical Manager



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

WO Ref: WO/041-SNP/IV/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B08	PT6A-140 ENGINE GROUND RUN PERFORMANCE	01/05/23		Firman	
2	APPENDIX D08	ENGINE PT6A-140 100 HOUR INSPECTION/ MINOR INSPECTION	30/04/23		Firman	
3	APPENDIX D09	ENGINE PT6A-140 200 HOURS INSPECTION	30/04/23		Firman	
4	APPENDIX D10	ENGINE PT6A-140 200 HOURS/6 MTHS INSPECTION	30/04/23		Firman	
5	APPENDIX D11	ENGINE PT6A-140 400 HOURS INSPECTION	30/04/2023		Budi H.	
6	NRC-01	ELT BATTERY REPLACEMENT				
7	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	01/05/23		Firman	



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : CESSNA 208B	TTSN : 4682:15
A/C REG : PK-SNP	TCSN : 7835
MSN : C208B-5495	DATE : 01 MAY 2023

TYPE OF INSPECTION : INSPECTION 400 HRS ENG.&ADD.ENG.TASK
 DUE AT : 4691.50 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
Pieman Syah	AIRFRAME & POWER PLANT	16522 / SCA35		01 / MAY / 23
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 1600 HRS AIRFRAME AND 100 HRS ENG.

DUE AT : 4791:50 HRS

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
IC-001	WO		32-40-00	30/04/2023
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
PK-SNP	C208B			
9. ZONE	10. STA	11. MTC TYPE		
LANDING GEAR	NGX	REPLACEMENT		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE
L/H BRAKE PISTON NEED TO REPLACE		30/04/2023

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
REPLACED BRAKE PISTON LHA WITH NEW PART LAW C208B CH. 32-40-00 Performed at A/C TT : 4682:15 A/C TC /LDG : 7835			30/04/2023

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
PISTON BRAKE	092-06900	4	-	-	✓	-

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS
GENERAL TOOL	-	-	OK

		INSPECTION CARD (Form: SCA/MTC/ 048)		TECHNICAL DEPARTMENT	
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1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE	
1C-002	W0		32-40-00	30-04-2023	
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #		
PIC-SND	C208B				
9. ZONE	10. STA	11. MTC TYPE			
LANDING GEAR	NRX	REPLACEMENT			

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE
INSULATOR 4H NO 2 WORN OUT		30/04/2023

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
REPLACED BRAKE INSULATOR NO2 WITH NEW PART 1AW 208B AMM CH.32-40-00 Performed at A/C TT : 4682:15 A/C TC /LDG : 2085			30/04/2023

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
INSULATOR	088-00100	1	—	—	✓	—

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS
GENERAL TOOL	—	—	GOOD

		INSPECTION CARD (Form: SCA/MTC/ 048)			TECHNICAL DEPARTMENT	
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1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE	
1C-003	WO		32-40-00	30-04-2023	
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #		
PK-SNP	C208B				
9. ZONE	10. STA	11. MTC TYPE			
LANDING BEAR	NBY	REPLACEMENT			

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE
BRAKE LINING ON BACK PLATE WORN OUT		30/04/2023

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
REPLACED BRAKE LINING ON BACK PLATE 4EA WITH NEW PART, IAW 208B AMM CH 32-40-00 Performed at A/C TT: 4682:15..... A/C TC /LDG: 703T			30/04/2023

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
LINING	066-03300	4	-	-	✓	-

23. TOOLS REQUIRED			
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS
GENERAL TOOL	9	-	GOOD

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

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/041-SNP/IV/2023		REPLACEMENT COMPONENT	PK-SNP
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
01	34		
9. ZONE	10. PANEL		

11. DESCRIPTION			
PERFORM ELT BATTERY REPLACEMENT P/N OFF: 452-0133 S/N OFF: 377841-009 P/N ON: S/N ON:			
REFERENCE	☒ CMM C406	☒ AMM 34-54-00	☐ OTHER
RII (*)	☐ Y	☒ 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



MAINTENANCE PROGRAM CESSNA 208/208B

Appendix B08 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK-SNP

WO/FML No. : WO/032-SNP/XII/2022

PRE – INSPECTION	
Location	NBY
Date	29 APRIL 2023
Cycle	1
Filed Barometric	29.92
OAT	34
Altitude	40ft

POST – INSPECTION	
Location	NBY
Date	31 MAY 2023
Cycle	1
Filed Barometric	29.92
OAT	30
Altitude	25 FT

PRE – INSPECTION		
	Target	Actual
Tq	2397	2397
Np	1900	1870
ITT	841 °C	844 °C
Ng	102.6 %	101.0 %
Wf	570	539
Oil Press		90 °C
Oil Temp		76 °C
Start Temp		75.0 °C

POST- INSPECTION		
	Target	Actual
Tq	2397	2397
Np	1900	1890
ITT	841 °C	828 °C
Ng	102.7 %	100.5 %
Wf	578	537
Oil Press		91 °C
Oil Temp		72 °C
Start Temp		69.6 °C

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:

- ON TARGET -

PERFORMED BY

Name	Sign & Stamp	Date	Location
FIRMAN SYDNEY		01 MAY 23	NBY



EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR

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

DATE : 01 - MAY - 2023	A/C REG : PK-SNP
A/C TYPE : C208B	CHECKER : FIRMAN S. SIGN:

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01074-101W	17060500064	JUN 2024	GOOD
2	Co-Pilot Life Vest	P01074-101W	17071100037	AUG 2023	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	LOKAL	NSN	DEC 2023	GOOD
14	Crash Axe Installed	LOKAL	NSN	O/C	GOOD
15	Fire Extinguisher	C352	NSN	JAN 2024	GOOD
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					
	FLASH LIGHT	LOKAL	NSN	O/C	GOOD



Aircraft Registration:

WO# Nr:

WO/041-SNP/IV/2023

Part Used

Parts Used Sheet

[illegible]



Parts Used Sheet



DOCUMENT FORM BORESCOPE INSPECTION FORM

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Engine Borescope Inspection

Job No: **WO/041-SNP/IV/2023**

<u>Engine Serial Number</u> PCE-VA0732	<u>Date</u> 30 APR 2023	<u>Base / Location</u> NABIRE	<u>Aircraft Registration</u> PK-SNP
<u>Aircraft Total Time</u> 4682:15 Hours	<u>Aircraft Total Cycle</u> 7835 Cycle	<u>Reason For Borescope</u> 400 HOURS INSPECTION	

Note:

Record any discrepancies found during inspection, and/or take photographic evidence.

If None, then write No Findings. If you find defects, please quote EMM (Engine Maintenance Manual) Reference and Limitations.

Item	Work Description	SIGN	STAMP
1	Remove fuel manifold adapter as necessary (Ref. 73-10-05).		
2	Perform inspection of the First Stage Compressor. Defects: RESULT SATISFACTORY FOUND NO DEFECT <u>If defects found, quote MM Limitation and References :</u>		

Photo of First Stage Compressor 1st Quadrant



Photo of First Stage Compressor 2nd Quadrant





DOCUMENT FORM BORESCOPE INSPECTION FORM

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Photo of First Stage Compressor 3rd Quadrant



Photo of First Stage Compressor 4th Quadrant



3

Perform inspection of Combustion Chamber Liner Assembly.

Defects:

RESULT SATISFACTORY FOUND NO DEFECT

If defects found, quote MM Limitation and References :

SIGN

STAMP



Photo of Combustion Chamber 1st Quadrant



Photo of Combustion Chamber 2nd Quadrant



Photo of Combustion Chamber 3rd Quadrant



Photo of Combustion Chamber 4th Quadrant





DOCUMENT FORM BORESCOPE INSPECTION FORM

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4	Perform Inspection of CT-Stator assembly. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT <u>If defects found, quote MM Limitation and References :</u>	SIGN	STAMP



5	Perform inspection of CT-Blades and shroud segments. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT <u>If defects found, quote MM Limitation and References :</u>	SIGN	STAMP

Photo of Leading Edge CT-Blades 1st Quadrant



Photo of Leading Edge CT-Blades 2nd Q



Photo of Leading Edge CT-Blades 3rd Quadrant



Photo of Leading Edge CT-Blades 4th Quadrant



Perform inspection CT-Blades Trailing Edge
Defects:

6

RESULT SATISFACTORY FOUND NO DEFECT

If defects found, quote MM Limitation and References :

SIGN

STAMP




Photo of CT-Blades Trailing Edge 1st



Photo of CT-Blades Trailing Edge 2nd Q





**DOCUMENT FORM
BORESCOPE INSPECTION
FORM**

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Photo of CT-Blades Trailing Edge 3rd Q



Photo of CT-Blades Trailing Edge 4th Q



7

Perform inspection of PT-Blades

Defects:

RESULT SATISFACTORY FOUND NO DEFECT

If defects found, quote MM Limitation and References :

SIGN

STAMP



Photo of PT-Blades 1st Q



Photo of PT-Blades 2nd Q



Photo of PT-Blades 3rd Q

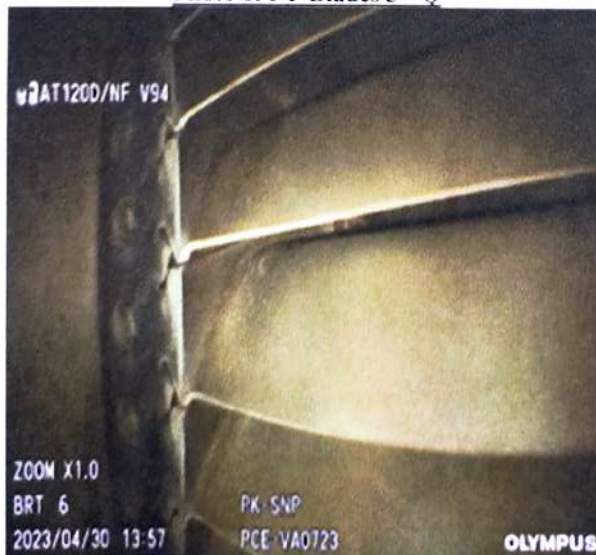
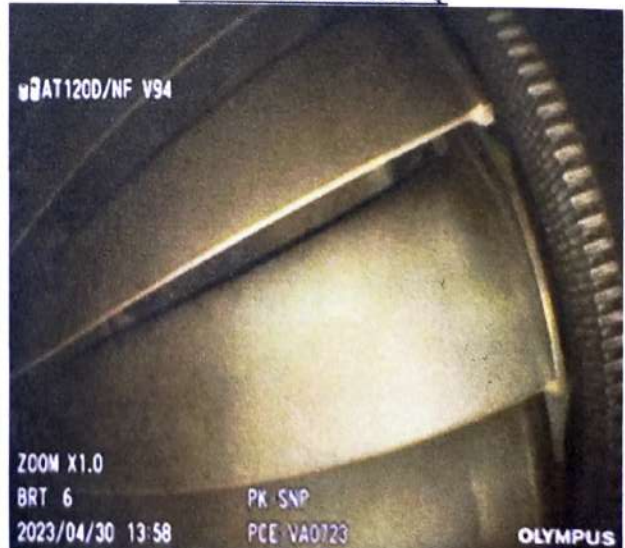


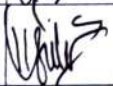
Photo of PT-Blades 4th Q





**DOCUMENT FORM
BORESCOPE INSPECTION
FORM**

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		SIGN	STAMP
8	Install fuel manifold adapter(s) (Ref. 73-10-05).		
9	Perform fuel leak check post fuel nozzle installation		

BORESCOPE PERFORMED BY

Name: Agus Sulaeman

Signature:



Stamp:

