



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 1000Hrs & Add.Engine Task	No.	WO/049-SNP/VII/2023
	Date	31 July 2023
	A/C Reg.	PK-SNP C208B-5495
Reference : MP C208B ISSUED 01	Prepared By	TS
	Checked By	CI
	Approved By	TM

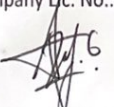


To : Engineer In Charge

Description :

1. Perform Inspection of Engine 1000Hrs&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 CARRIED OUT	Sign & Date Company Lic. No.:	13/2023 /08	Signature
	 (Engineer In Charge) ARUJI GUMILANG		 (Technical Manager)

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
31 Jul 2023	WO/049-SNP/VII/2023	Inspection of Engine 1000Hrs&Add.Eng.Task	13 AUGUST 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	5087:54 / 8429		
	#2	-			
Propeller/Rotor	#1	181158	2045:02 / 3162		
	#2	-			
Landing Gear	NLG		5087:54 / 8429		
	LH MLG		5087:54 / 8429		
	RH MLG		5087:54 / 8429		
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



.....
Hani



.....
Dodit



.....
Yanuar



.....
Istiono



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE : CESSNA 208B	TTSN : 5087 : 54
A/C REG : PK-SNP	TCSN : 8429
MSN : C208B-5495	DATE : 13 AUG 2023



TYPE OF INSPECTION : INSPECTION OF ENGINE 1000HRS&ADD.ENG.TASK
 DUE AT : 2000 ENGINE HOURS
 REFF : MP C208B ISSUED 01

EXCEPTION

FUEL NOZZLE AND BOROSCOPE WILL PERFORM AT HSI.

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
ARUJI GUMILANG	AIRFRAME & POWER PLANT	9696 / SCA.037	 	13 / 23 / 08
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : HOT SECTION INSPECTION

DUE AT : 2050 : 00 ENG .

Form: SCA/MTC/049



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

WO Ref: WO/048-SNP/VII/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	B08	PT6A-140 ENGINE GROUND RUN PERFORMANCE	13/08/2023		ARWJ <i>Bun</i>	
2	APPENDIX D08	ENGINE PT6A-140 100 HOUR INSPECTION/ MINOR INSPECTION	13/08/2023		<i>Bun.H</i>	
3	APPENDIX D09	ENGINE PT6A-140 200 HOURS INSPECTION	13/08/2023		<i>Bun.H</i>	
4	APPENDIX D10	ENGINE PT6A-140 200 HOURS / 6 MONTHS INSPECTION	13/08/2023		<i>Bun.H</i>	
5	APPENDIX D11	ENGINE PT6A-140 400 HOURS INSPECTION	13/08/2023		<i>Bun.H</i>	
6	APPENDIX D13	ENGINE PT6A-140 1000 HOURS INSPECTION	13/08/2023		ARWJ	
7	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	13/08/2023		ARWJ	



MAINTENANCE PROGRAM CESSNA 208/208B

Appendix B08 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - SNP

WO/FML No. : WO/049-SNP/V11/2023

PRE - INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

POST - INSPECTION	
Location	TIM
Date	13 AUG 2023
Cycle	
Filed Barometric	1012 HPA
OAT	27
Altitude	25 FT

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	2397	2397
Np	1900	1900
ITT	835 °C	830 °C
Ng	102.7 %	99.7 %
Wf	578	567
Oil Press		100 °C
Oil Temp		42 °C
Start Temp		677 °C

Engine Run Up Checks

Inertial
 EPL
 OVG
 Stby Alt
 BOV
 Brake
 Randomn

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:

CARRIED OUT.

PERFORMED BY			
Name	Sign & Stamp	Date	Location
ARUJI GOMIANG		13 / 2023 /00	TIMIKA



**MAINTENANCE PROGRAM
CESSNA 208/208B**

Appendix D08 – Engine PT6A-140 100 Hours/Minor Inspection

Reg. Mark : PK - SNP Date : 13 - AUG - 2023
 MSN : C208B-5495 Station : TIM
 TSN / CSN : 5087 : 54 / 8429 WO No. : W0 / 049 - SNP / V11 / 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: _____ P/N ON: _____		
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: _____ P/N ON: _____		
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
Bum Harro To	ENGINEER		9506




**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 : ARJUN WIMLANE Place/Date : TIM / 13 AUG 2023
Sign & Stamp : A handwritten signature in black ink, followed by a blue circular stamp containing the number "31" and some illegible text.



MAINTENANCE PROGRAM CESSNA 208/208B

Appendix D09 – Engine PT6A-140 200 Hours Inspection

Reg. Mark : PK - SNP Date : 13 AUG 2023
MSN : C208B - 5405 Station : TIM
TSN / CSN : 5087:54 / 8429 WO No. : WO/049-SNP/VII/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE		DATE
			SIGN	STAMP	
F793001	130	Do a visual inspection of the chip detector for debris.			13 / 2023 / 08
*** End of Engine PT6A-140 200 Hours Inspection 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 : ARYJI GUMILANG Place/Date : TIM / 13 AUG 2023
Sign & Stamp :



MAINTENANCE PROGRAM CESSNA 208/208B

Appendix D10 – Engine PT6A-140 200 Hours or 6 Months Inspection

Reg. Mark : PK - SNP Date : 13 AUG 2023
MSN : C208B-5405 Station : TIM
TSN / CSN : 5087:54 / 8429 WO No. : WO/048-SNP/VII/2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
F793000	130	Do a visual inspection of the AGB internal scavenge oil pump inlet screen		
*** End of Engine PT6A- 140 200 Hours or 6 Months Inspection 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 : ARUJI GUMILANG Place/Date : TIM / 13 AUG 2023
Sign & Stamp :



**MAINTENANCE PROGRAM
CESSNA 208/208B**

Appendix D11 – Engine PT6A-140 400 Hours Inspection

Reg. Mark : PK - SMP Date : 13 AUG 2023
 MSN : C208B - 5495 Station : TIM
 TSN / CSN : 5087 : 54 / 8429 WO No. : W01049-SMP / v11 / 2023

ITEM CODE NO.	ZONE	TASK	SIGNATURE	
			ENGINEER SIGN&STAMP	RII SIGN&STAMP
F724000	130	Do borescope inspection of hot section components.	N/A	
F731004	130	Do a leak test and a functional test of the fuel manifold adapter and nozzle assemblies. Note: Engines ON fuel nozzle in-situ cleaning program (Ref. Task 71-00-00- 160-808). Test fuel nozzles and refurbish as necessary.	N/A	
F741001	130	Do a visual inspection of the ignition exciter.		
F741011	130	Do a visual inspection of the ignition cables.		
F742001	130	Do a functional check of the ignition cable.		
F742002	130	Do a visual inspection of the spark igniter/glow plugs. Note: Examine initially at 200 Hours.		
*** End of Engine PT6A-140 400 Hours Inspection 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 : ARJI GUMILANG Place/Date : TIM / 13 AUG 2023
 Sign & Stamp :



**MAINTENANCE PROGRAM
CESSNA 208/208B**

Appendix D13 – Engine PT6A-140 1000 Hours Inspection

Reg. Mark : PK - SNP Date : 13 AUG 2023
 MSN : C208B - 5495 Station : TIM
 TSN / CSN : 5087:54 / 8429 WO No. : WD/049-SHP/V4/12023


ITEM CODE NO.	ZONE	TASK	SIGNATURE		DATE
			SIGN	STAMP	
F731028	130	Replace the P3 filter. P/N OFF: <u>3038142</u> P/N ON: <u>3038142</u>			
F792001	130	Remove and discard the oil filter element. Install a new oil filter element. P/N OFF: <u>3070976-01</u> P/N ON: <u>3070976-01</u>			
*** End of Engine PT6A-140 1000 Hours 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 : ARJI GUMILANG Place/Date : TIM / 13 AUG 2023
 Sign & Stamp :

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

DATE : 13 AGUSTUS 2023	A/C REG : PK-SNP
A/C TYPE : C208B	CHECKER : ARWJ SIGN: 

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01074-101W	17060500064	JUNE 2024	✓
2	Co-Pilot Life Vest	P01074-101W	14092030042	JANUARY 2024	✓
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	NSN	DEC 2023	GOOD
14	Crash Axe Installed	LOCAL	LOCAL	O/C.	GOOD
15	Fire Extinguisher	PIREX C-352	F-49185963	JAN 2024	GOOD
16	Life Raft (If Installed)	-	-	-	-
17	Survival Kit (If Installed)	-	-	-	-
OTHERS					
18	FLASH LIGHT	LOCAL	LOCAL	O/C	GOOD

