

A.

		PT. SMART CAKRAWALA AVIATION		
CERTIFICATE RETURN TO SERVICE SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)				
A/C TYPE : CESSNA 208B		TTSN : 3093:20		
A/C REG : PK-SNG		TCSN : 9076		
MSN : C208B-5543		DATE : 12-01-2023		
TYPE OF INSPECTION		: INSPECTION 100 HOURS		
DUE AT		: 3100 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
RIZAL GHAZALI	AIRFRAME & POWER PLANT	9694 SCA021		12 / 2023 01
	EIRA			
THE NEXT DUE TYPE OF INSPECTION		: 400 HOURS		
DUE AT		: 3200 HOURS		
Form: SCA/MTC/049				



MAINTENANCE PROGRAM CESSNA 208/208B

Appendix B08 – PT6A-140 Engine Run Performance Sheet

Reg. Mark

: PK - SNG

WO/FML No.

: W01038-SNG/1/2023

PRE – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

POST – INSPECTION	
Location	MEPAUKE
Date	12-01-2023
Cycle	
Filed Barometric	29.92
OAT	28°C
Altitude	20 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	1850
ITT	835 °C	810 °C
Ng	102.7 %	100 %
Wf	578	547
Oil Press		94 °C
Oil Temp		61 °C
Start Temp		718 °C

Engine Run Up Checks							
Inertial	☒	EPL	☒	OVG	☒	Stby Alt	☒
BOV	☒	Brake	☒	Random	☒		
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: ENGINE PARAMETER WITHIN LIMIT.

PERFORMED BY			
Name	Sign & Stamp	Date	Location
PID2A1.G		12/01/2023	MEPAUKE

Issued: 01

SCA/TEK/1-001

15 December 2022

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MAINTENANCE PROGRAM **CESSNA 208/208B**

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

Reg. Mark : PK - SNG Date : 12-01-2023
 MSN : 62083-5543 Station : MEERAKE
 TSN / CSN : 3093:20/5076 WO No. : WO/038-SNG/1/2023

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>AN6235-3A</u> P/N ON: <u>AN6235-3A</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>AN6235-3A</u> P/N ON: <u>AN6235-3A</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
<u>RIDRAL J</u>	<u>ENGINEER</u>		<u>8694</u>

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

DATE : 12 JANUARY 2023	A/C REG : PK-SNG
A/C TYPE : C208B	CHECKER : RIZAL . G SIGN: 

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	PO1202-201	19092030036	JAN 2029	SERVICEABLE
2	Co-Pilot Life Vest	PO1202-201	19092030051	JAN 2029	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	NPN	NSN	JUNE 2023	SERVICEABLE
14	Crash Axe Installed	NPN	NSN	ON CONDITION	SERVICEABLE
15	Fire Extinguisher	C352	P60589352	SEPT 2023	SERVICEABLE
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					
18	FLASH LIGHT	NPN	NSN	ON CONDITION	SERVICEABLE



Additional Work Sheet Inspection 100 Hours

Inspection 100 Hours

Parts Used Sheet

[illegible]

