



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : 100 Hours Engine Inspection	No.	WO/002-SNT/XII/2022
	Date	27 Dec 2022
	A/C Reg.	PK-SNT C208B-5707
Reference : MP C208B Rev. 12	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		
Description : 1. Perform 100 Hours Engine Inspection 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.: ARUJI GUMILANG (Engineer In Charge) 10 JANUARY 2023	Signature (Technical Manager)

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
	WO/002-SNT/XII/2022	100 Hours	10 JANUARY 2023		
A/C Type	Mfg. Serial Number	A/C Registration			
C208B	C208B-5707	PK-SNT			
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-VA0838	93:05 / 54		
	#2	-			
Propeller/Rotor	#1	211046	93:05 / 54		
	#2	-			
Landing Gear	NLG		93:05 / 54		
	LH MLG		93:05 / 54		
	RH MLG		93:05 / 54		
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


Dwi M.


Dodit


Yanuar


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

WO Ref: WO/002-SNT/XII/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B03	PT6A-140 ENGINE GROUND RUN PERFORMANCE	10 / 23 01		ARJI	
2	CHAPTER 51	ENGINE PT6A-140 100 HOUR INSPECTION/ MINOR INSPECTION	10 / 23 01		ARJI	
3	SCA/MTC/0 23	EMERGENCY EQUIPMENT CHECK	10 / 23 01		ARJI	



MAINTENANCE PROGRAM CESSNA C208/C208B

Appendix B03 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - SNT

WO/FML No. : WO/002-SNT/XII/2022

PRE – INSPECTION	
Location	TARAKAN
Date	09 JAN 2023
Cycle	1
Filed Barometric	1008 1013
OAT	29 °C
Altitude	250

POST – INSPECTION	
Location	TARAKAN
Date	10 JAN 2023
Cycle	1
Filed Barometric	1007
OAT	30 °C
Altitude	250

PRE – INSPECTION		
	Target	Actual
Tq	2397	2397
Np	1900	1890
ITT	839 °C	800 °C
Ng	102.7 %	100.5 %
Wf	578	525
Oil Press		93 °C
Oil Temp		65 °C
Start Temp		669 °C

POST – INSPECTION		
	Target	Actual
Tq	2397	2397
Np	1900	1900
ITT	841 °C	811 °C
Ng	102.7 %	100.3 %
Wf	578	525
Oil Press		94 °C
Oil Temp		60 °C
Start Temp		650 °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:

- NIL -

PERFORMED BY			
Name	Sign & Stamp	Date	Location
ARUJI GUMILANG		10 / 2023 JANUARI	TARAKAN



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE	: CESSNA 208B	TTSN	: 93 : 05
A/C REG	: PK-SNT	TCSN	: 54
MSN	: C208B-5707	DATE	: 10 JAN 2023

TYPE OF INSPECTION	: 100 Hours Engine Inspection
DUE AT	: 100 Hours
REFF	: MP C208B REV. 12

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
ARUJI GUMILANG	AIRFRAME & POWER PLANT	9696 / SCA 37	 	10 / 2023 JANUARI
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 200 HRS INSPECTION

DUE AT : 200 : 00 HOURS

Form: SCA/MTC/049