



**PT. SMART CAKRAWALA AVIATION**

**WORK ORDER**

**Form: SCA/MTC/030**

Subject :	No.	WO/070-SNS/X/2023
<b>200 Hours &amp; Add. Task Inspection</b>	Date	16 Oct 2023
	A/C Reg.	PK-SNS C208B-2341
Reference :	Prepared By	TS
Maintenance Program C208/208B Issued 01 Rev. 01	Checked By	CI
	Approved By	TM

To : Engineer In Charge

**Description :**

1. Perform 200 Hours and Additional Task 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 :**

Compliance Statement	Sign & Date Company Lic. No.:  (Engineer In Charge)	Signature  (Technical Manager)
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**AIRCRAFT CHECK WORK SUMMARY**  
(Form: SCA/MTC/051)

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
16 Oct 2023	WO/070-SNS/X/2023	200 Hours&Add.Task	

A/C Type C208B	Mfg. Serial Number C208B-2341	A/C Registration PK-SNS
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**AIRCRAFT DATA**

Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-PC1306	
	#2	-	
Propeller/Rotor	#1	081043	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		

**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	1	
6	Escalation form	-	
7	CRS (SMI / Unscheduled Maintenance)	1	

**INSPECTION CARD (IC) LIST (Finding during maintenance)**

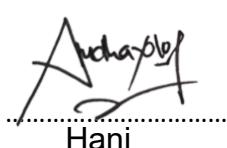
No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
IC-001					
IC-002					
IC-003					

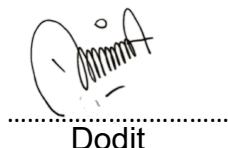
Prepared by :  
Technical Support

Checked by :  
Chief Maintenance

Verified by :  
Chief Inspector

Approved by :  
Technical Manager

  
Hani

  
Dodit

  
Yanuar

  
Istiono



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

WO Ref: WO/070-SNS/X/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B07	PT6A-114A ENGINE GROUND RUN				
2	APPENDIX C05	200 HRS/12 MTHS INSPECTION				
3	APPENDIX D01	PT6A-114A 100 HRS/MINOR INSPECTION				
4	EO-016	100 HOURS BORESCOPE INSPECTION AFTER DEFECT FOUND				
5	SCA/MTC/023	EMERGENCY EQUIPMENT CHECKLIST				



PT. SMART CAKRAWALA AVIATION

# CERTIFICATE RETURN TO SERVICE

## SCHEDULED MAINTENANCE INSPECTION

### (CRS-SMI)

A/C TYPE	: CESSNA 208B			TTSN	:
A/C REG	: PK-SNS			TCSN	:
MSN	: C208B-2341			DATE	:
TYPE OF INSPECTION	: 200 HOURS & ADDITIONAL TASK INSPECTION				
DUE AT	: 7378:00 HOURS				
REFF	: MAINTENANCE PROGRAM ISSUED 01 REV. 01				
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
	AIRFRAME & POWER PLANT				
	EIRA				
THE NEXT DUE TYPE OF INSPECTION :					
DUE AT :					



## INSPECTION CARD

(Form: SCA/MTC/ 048)

TECHNICAL  
DEPARTMENT

1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
9. ZONE	10. STA	11. MTC TYPE		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
Performed at A/C TT : ..... A/C TC /LDG : .....			
20. CORROSION INFORMATION			
LOCATION  CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 PROPOSED ACTION <input type="checkbox"/> Doublers <input type="checkbox"/> Others .....	CAUSE OF DAMAGE <input type="checkbox"/> Environment <input type="checkbox"/> Internal Leakage <input type="checkbox"/> Chemical Spill <input type="checkbox"/> LAV/Galley Spill <input type="checkbox"/> Blocked Drain <input type="checkbox"/> Wet Insulation Blanket <input type="checkbox"/> 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

23. TOOLS REQUIRED					
DESCRIPTION	PART NO. / MODEL		NEXT CALIBRATION DATE		STATUS



## MAINTENANCE PROGRAM

### CESSNA 208/208B

#### Appendix B07 – PT6A-114A Engine Run Performance Sheet

Reg. Mark : PK -

WO/FML No. :

PRE – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

POST – INSPECTION	
Location	
Date	
Cycle	
Filed Barometric	
OAT	
Altitude	

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		
Np		
ITT	°C	°C
Ng	%	%
Wf		
Oil Press		°C
Oil Temp		°C
Start Temp		°C

Engine Run Up Checks													
Inertial	<input type="checkbox"/>	EPL	<input type="checkbox"/>	OVG	<input type="checkbox"/>	Stby Alt	<input type="checkbox"/>	BOV	<input type="checkbox"/>	Brake	<input type="checkbox"/>	Randown	<input type="checkbox"/>
<b>NOTE:</b>													
1. Inertial Separator at Torque 400 ft-lbs.		3. EPL check can't exceed 4% Ng per second.		5. Low idle at 52.5 – 53.5% 40Amps.		2. Standby Alt at 80% Ng.		4. Standby Alt at 80% Ng.		6. High idle at 64 - 66% Ng 40Amps.			

#### Engine Performance Target Table Cessna C208

OAT (°C)	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
Tq (ft.lbs)	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865	1865
Np	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
ITT (°C)	772	775	778	780	785	790	793	795	797	800	800	800	802	805	810
Ng (%)	98.5	98.5	99	99	99.1	99.2	99.4	99.5	99.5	100	100	100.2	100.5	100.7	100.9
WF (PPH)	450	450	450	450	450	450	450	450	450	450	450	450	448	448	446

#### 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 465 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

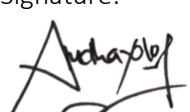
	TECHNICAL SUPPORT TECHNICAL DEPARTMENT <b>ENGINEERING ORDER</b>	016/EO/TEK-TS/X/2023
	Rev. No	ORIGINAL
	Rev. Date	3/10/2023

## ENGINEERING ORDER

016/EO/TEK-TS/X/2023

100HRS BORESCOPE INSPECTION AFTER DEFECT FOUND ON PK-SNS  
ENGINE PT6A-114A

PT. SMART CAKRAWALA AVIATION

Prepared	Checked	Approved
Technical Support	Chief Inspector	Technical Manager
Signature: 	Signature: 	Signature: 
Name: Dwi Mahanani	Name: Yanuar A. Fatah	Name: Istiono
Date: 3 Oct 2023	Date: 3 Oct 2023	Date: 3 Oct 2023

	TECHNICAL SUPPORT TECHNICAL DEPARTMENT <b>ENGINEERING ORDER</b>	016/EO/TEK-TS/X/2023
	Rev. No	ORIGINAL
	Rev. Date	3/10/2023

SMART AVIATION ENGINEERING ORDER			
Aircraft Reg.: PK-SNS (208B-2341)	Make/Model: C208B	No. EI: 016/EO/TEK-TS/X/2023	Rev. No. : ORIGINAL
Total Flight Hours:	Total Flight Cycle:	Date Issued <b>October 3, 2023</b>	
Task Description :  100 Hours Borescope Inspection		Data Reference :  -    EMM PT6A-114/114A CURRENT REVISION	
Aircraft Type :  C208B Grand Caravan			



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING ORDER**

016/EO/TEK-TS/X/2023

Rev. No	ORIGINAL
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Rev. Date	3/10/2023
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**SMART AVIATION  
ENGINEERING ORDER**

**1. Description.**

This EO is issued to perform engine borescope every 100 Hours in PK-SNS with engine installed serial number PCE-PC1306, regarding defect found on 400 Hours interval borescope inspection by total hours on sequence 800 Hours of engine total time.

**2. Aircraft Effectivity.**

REGISTRATION	SERIAL NUMBER
PK-SNS PT6A-114A	208B-2341 PCE-PC1306

**3. Compliance**

Do the borescope inspection on 100 Hrs interval after finding defect on Power Turbine Stator section that is installed in PK-SNS with ESN PCE-PC1306. The inspection is for examining the defect found that exists on second sequence of borescope inspection (400 Hrs interval) by 800 Hours engine total time.

Focus of the inspection in power turbine area to identify the crack must be not expanded and/or extended. The inspection should be strictly also performed to ensure there is no metal or particle debris found on engine related area.

**4. Distribution.**

TECHNICAL MANAGER      [  ]  
SAFETY & QUALITY MANAGER      [  ]  
CHIEF INSPECTOR      [  ]

MATERIAL SUPPORT      [  ]  
TECHNICAL SUPPORT      [  ]  
FILE      [  ]

**5. Manhours**

5.0 man hours

**6. Material.**

NIL

**7. Special Tool Required.**

Borescope Tool

**8. Publication Affected.**

None.



TECHNICAL SUPPORT  
TECHNICAL DEPARTMENT  
**ENGINEERING ORDER**

016/EO/TEK-TS/X/2023

Rev. No	ORIGINAL
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Rev. Date	3/10/2023
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**SMART AVIATION  
ENGINEERING ORDER**

**9. Accomplishment Instructions.**

Description	Eng.	RII	Remarks
<p>(1) Do the borescope inspection*</p> <p><b>NOTE:</b> Inspection of Power Turbine Stator 72-00-00</p> <p><b>CAUTION:</b> Inspection of the PT stator is recommended when upstream component damage does not explain performance loss or when secondary damage is suspected. Damage on the vanes may produce an increase in flow area which will increase Ng and T5 Cracks on the inner and outer rings and vanes are repairable. Keeping the engine in service, the defects will progress until the stator becomes unrepairable. This will increase the cost of the subsequent HSI. Inspect the damaged area within 100 hours. Subsequent inspections must not exceed 400 hours. An HSI is recommended when the defects are still repairable. If the defects are not repairable, replace PT stator at the next power section repair. Providing Ng and T5 are within limits, there is no need for power section repair and PT stator change, regardless of the amount of damage, unless structural integrity of the vanes are affected (e.g. wide open cracks, excessive foreign object damage (FOD) and missing or burnt material are unacceptable).</p>			

\*Attach the Borescope Result on Borescope Inspection Form

\*\*\* END OF THE TASK \*\*\*

**RETURN TO SERVICE**

I hereby certify that the aircraft has been modified in accordance with the Aircraft Maintenance Manual C208/208B Grand Caravan and EMM PT6A-114/114A with applicable Approved Data and met the requirements as set forth with the Indonesia Civil Aviation Safety Regulation and it is approved for return to service.

Name : \_\_\_\_\_ Place & Date : \_\_\_\_\_

Sign & Stamp : \_\_\_\_\_

	TECHNICAL SUPPORT TECHNICAL DEPARTMENT <b>ENGINEERING ORDER</b>	016/EO/TEK-TS/X/2023
Rev. No	ORIGINAL	
Rev. Date	3/10/2023	

Additional Remark:

Other Attachment:



**EMERGENCY EQUIPMENT  
LIST  
INSPECTION & MONITOR**

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

<b>DATE :</b>	<b>A/C REG : PK-SNS</b>	
<b>A/C TYPE : C208B</b>	<b>CHECKER :</b>	<b>SIGN:</b>

<b>No.</b>	<b>Description</b>	<b>P/N</b>	<b>S/N</b>	<b>Next Insp.</b>	<b>Remarks</b>
1	<b>Pilot Life Vest</b>				
2	<b>Co-Pilot Life Vest</b>				
3	<b>Pax Life Vest</b>				
4	<b>Pax Life Vest</b>				
5	<b>Pax Life Vest</b>				
6	<b>Pax Life Vest</b>				
7	<b>Pax Life Vest</b>				
8	<b>Pax Life Vest</b>				
9	<b>Pax Life Vest</b>				
10	<b>Pax Life Vest</b>				
11	<b>Pax Life Vest</b>				
12	<b>Pax Life Vest</b>				
13	<b>Firt Aid Kit</b>				
14	<b>Crash Axe Installed</b>				
15	<b>Fire Extinguisher</b>				
16	<b>Life Raft (If Installed)</b>				
17	<b>Survival Kit (If Installed)</b>				
<b>OTHERS</b>					



## **Additional Work Sheet 200 HOURS&ADD.TASK**

Aircraft Registration: **PK-SNS**

WO# Nr: **WO/070-SNS/X/2023**

## Special Tool Used

## Tool Used Sheet



## **Additional Work Sheet 200 HOURS&ADD.TASK**

Aircraft Registration: **PK-SNS**

WO# Nr: **WO/070-SNS/X/2023**

## Part Used

## Part Used Sheet