



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : 200 Hours & Add. Task Inspection	No.	WO/070-SNS/X/2023
	Date	16 Oct 2023
	A/C Reg.	PK-SNS C208B-2341
Reference : Maintenance Program C208/208B Issued 01 Rev. 01	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		
Description : <ol style="list-style-type: none">1. Perform 200 Hours and Additional Task Inspection2. Make an entry in Maintenance Log.3. Return the Completed Work Order and Form to PPC. <p>#If any finding, please close the routine card, and transferred to inspection card.</p>		
Additional Work :		
Compliance Statement	Sign & Date Company Lic. No.: (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	
16 Oct 2023	WO/070-SNS/X/2023	200 Hours&Add.Task		
A/C Type				
C208B	Mfg. Serial Number		A/C Registration	
	C208B-2341		PK-SNS	
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	
<u>IC-001</u>				
<u>IC-002</u>				
<u>IC-003</u>				

Prepared by :
Technical Support

Checked by :
Chief Maintenance

Verified by :
Chief Inspector

Approved by :
Technical Manager


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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

REF : 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 :

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
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	CAUSE OF DAMAGE				
	<input type="checkbox"/> Environment				
	<input type="checkbox"/> Internal Leakage				
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread	<input type="checkbox"/> Chemical Spill				
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> LAV/Galley Spill				
PROPOSED ACTION <input type="checkbox"/> Doublers	<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"/>	Randomn <input type="checkbox"/>	
NOTE: 1. Brake system at Torque 1500 ft-lbs. 3. EPL check can't exceed 4% Ng per second. 5. Low idle at 52.5 – 53.5% 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 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


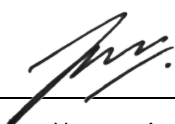

	TECHNICAL SUPPORT TECHNICAL DEPARTMENT ENGINEERING ORDER	016/EO/TEK-TS/X/2023	
		Rev. No	ORIGINAL
		Rev. Date	3/10/2023


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 ENGINEERING ORDER	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. El: 016/EO/TEK-TS/X/2023	Rev. No. : ORIGINAL
Total Flight Hours:	Total Flight Cycle:	Date Issued October 3, 2023	
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
		Rev. Date	3/10/2023

**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	[v]	MATERIAL SUPPORT	[v]
SAFETY & QUALITY MANAGER	[v]	TECHNICAL SUPPORT	[v]
CHIEF INSPECTOR	[v]	FILE	[v]

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
		Rev. Date	3/10/2023

**SMART AVIATION
ENGINEERING ORDER**

9. Accomplishment Instructions.

Description	Eng.	RII	Remarks
<p>(1) Do the borescope inspection*</p> <p>NOTE: Inspection of Power Turbine Stator 72-00-00</p> <p>CAUTION: 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> <p>*Attach the Borescope Result on Borescope Inspection Form</p>			


***** 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 ENGINEERING ORDER		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
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DATE :	A/C REG : PK-SNS
A/C TYPE : C208B	CHECKER : SIGN:

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest				
2	Co-Pilot Life Vest				
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				
14	Crash Axe Installed				
15	Fire Extinguisher				
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					



Additional Work Sheet

200 HOURS&ADD.TASK

Aircraft Registration: **PK-SNS**

WO# Nr: WO/070-SNS/X/2023[illegible]



Additional Work Sheet

200 HOURS&ADD.TASK

Aircraft Registration: **PK-SNS**

WO# Nr: WO/070-SNS/X/2023[illegible]