



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject :	No.	WO/089-SNK/X/2022
400 HRS ENGINE INSPECTION	Date	2 Oct 2022
	A/C Reg.	PK-SNK C208-00658
Reference :	Prepared By	TS
MP C208B Rev. 12	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform 400 Hrs 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 <i>CARRIE OUT</i>	Sign & Date 15- Oct- 2022 Company Lic. No.: 8690  AMIN MOHAMMAD SAID (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
2 Oct 2022	WO/089-SNK/X/2022	Inspection 400 Hrs	15 - OCT - 2022
A/C Type		Mfg. Serial Number	A/C Registration
C208		C208-00658	PK-SNK
AIRCRAFT DATA			
Subject	Pos #	Serial Number (SN)	TTSN/TCSN
Engine	#1	PCE-PC1988	6699:04/10688
	#2	-	
Propeller/Rotor	#1	190345	3861:39/5435
	#2	-	
Landing Gear	NLG		3861:39/5435
	LH MLG		3861:39/5435
	RH MLG		3861:39/5435

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)

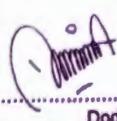
No	Taskcard Ref	Subject	Status		Name/ Sign & Stamp
			Open	Close	
IC-001	74-20-00	REPLACED L/H IGNITGR	-	✓	 35
IC-002					
IC-003					

Prepared by :
Technical Support



Hani Dwi M.

Checked by :
Chief Maintenance



Dodit

Verified by :
Chief Inspector



Yanuar

Approved by :
Technical Manager



Istiono



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

WO Ref: WO/089-SNK/X/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	CHAPTER 44	PT6A-114A ENGINE MINOR / 100HRS INSP.	14/10/22		FIRMAN SYARLI	35
2	CHAPTER 45	PT6A-114A 200 HRS INSP.	14/10/22		FIRMAN SYARLI	35
3	CHAPTER 46	PT6A-114A 200 HRS / 6 MTHS INSP.	14/10/22		FIRMAN SYARLI	35
4	CHAPTER 47	PT6A-114A 400 HRS INSP.	15/10/22		AMIN M SAID	04
5	APPENDIX B02	PT6A-114 ENGINE RUN PERFORMANCE	15/10/22		AMIN M SAID	04



DOCUMENT FORM BORESCOPE INSPECTION FORM

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Engine Borescope Inspection

Job No: WO/089-SNK/X/2022

<u>Engine Serial Number</u> <u>PCE-PC1988</u>	<u>Date</u> <u>15 OCT 2022</u>	<u>Base / Location</u> <u>TRK</u>	<u>Aircraft Registration</u> <u>PK-SNK</u>
<u>Aircraft Total Time</u> <u>3861:39</u>	<u>Aircraft Total Cycle</u> <u>5435</u>	<u>Reason For Borescope</u> <u>400 HRS INSPECTION</u>	

Note:

Record any discrepancies found during inspection, and/or take photographic evidence.

If None, then write No Findings. If you find defects, please quote EMM (Engine Maintenance Manual) Reference and Limitations.

Item	Work Description	Sign	STAMP
1	Remove fuel manifold adapter as necessary (Ref. 73-10-05).		
2	Perform inspection of the First Stage Compressor. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT NEED COMP WASH <u>If defects found, quote MM Limitation and References :</u>		

Photo of First Stage Compressor 1st Quadrant



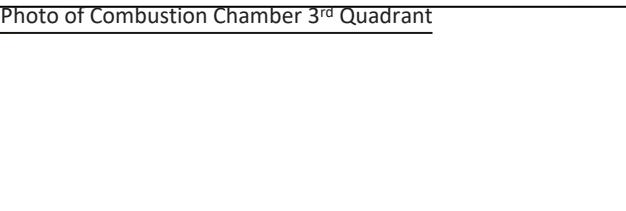
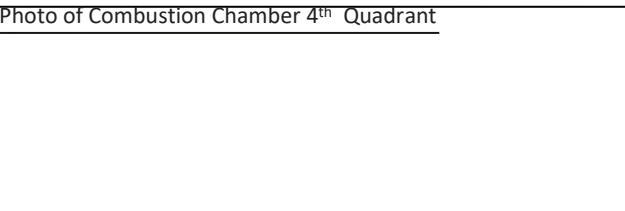
Photo of First Stage Compressor 2nd Quadrant





DOCUMENT FORM BORESCOPE INSPECTION FORM

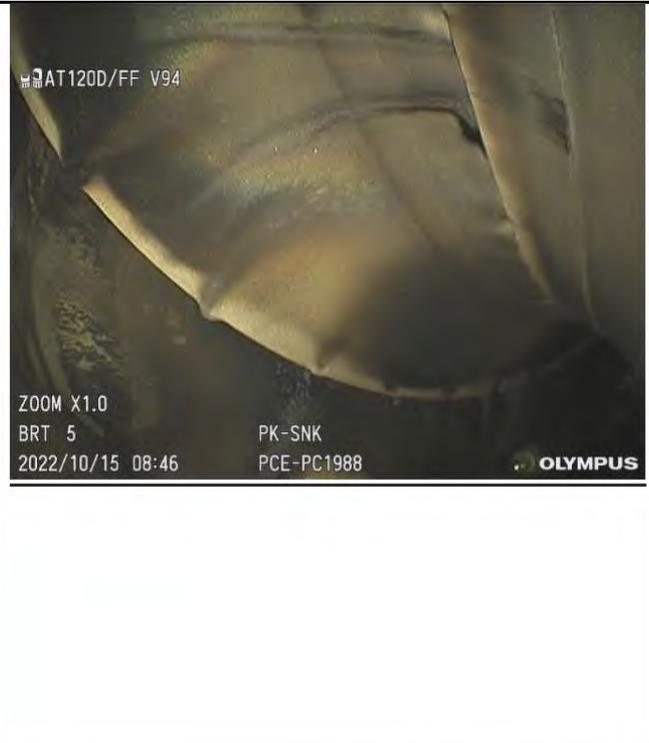
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 <p>Photo of First Stage Compressor 3rd Quadrant ZOOM X1.0 BRT 6 2022/10/15 08:17 PK-SNK PCE-PC1988 OLYMPUS</p>		 <p>Photo of First Stage Compressor 4th Quadrant ZOOM X1.0 BRT 6 2022/10/15 08:18 PK-SNK PCE-PC1988 OLYMPUS</p>	
3 Perform inspection of Combustion Chamber Liner Assembly. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT NEEDED DESALINATION WASH <u>If defects found, quote MM Limitation and References :</u>		SIGN	STAMP
 <p>Photo of Combustion Chamber 1st Quadrant ZOOM X1.0 BRT 10 2022/10/15 08:39 PK-SNK PCE-PC1988 OLYMPUS</p>			
 <p>Photo of Combustion Chamber 2nd Quadrant ZOOM X1.0 BRT 5 2022/10/15 08:43 PK-SNK PCE-PC1988 OLYMPUS</p>			
 <p>Photo of Combustion Chamber 3rd Quadrant</p>		 <p>Photo of Combustion Chamber 4th Quadrant</p>	

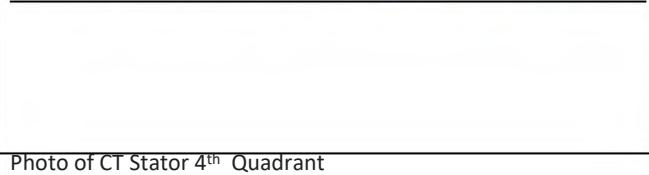
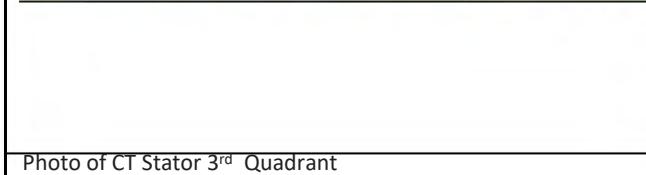


DOCUMENT FORM BORESCOPE INSPECTION FORM

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4	Perform Inspection of CT-Stator assembly. <u>Defects:</u> <u>RESULT SATISFACTORY FOUND NO DEFECT</u> <u>If defects found, quote MM Limitation and References :</u>	SIGN	STAMP





DOCUMENT FORM BORESCOPE INSPECTION FORM

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5	Perform inspection of CT blades and shroud segments. <u>Defects:</u> <u>RESULT SATISFACTORY FOUND NO DEFECT</u>	SIGN	STAMP
	<u>If defects found, quote MM Limitation and References :</u>		

Photo of Leading Edge CT-Blades 1 st Quadrant	Photo of Leading Edge CT-Blades 2 nd Q
Photo of Leading Edge CT-Blades 3 rd Quadrant	Photo of Leading Edge CT-Blades 4 th Quadrant



DOCUMENT FORM BORESCOPE INSPECTION FORM

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6	Perform inspection trailing edge of CT blades. <u>Defects:</u> <u>RESULT FOUND EROSION WITHIN LIMIT</u> <u>If defects found, quote MM Limitation and References :</u>	SIGN	STAMP

Photo of Trailing Edge CT-Blades 1 st Q	Photo of Trailing Edge CT-Blades 2 nd Q
 BRT 9 2022/10/15 08:59	 BRT 9 2022/10/15 09:01
Photo of Trailing Edge CT-Blades 3 rd Q	Photo of Trailing Edge CT-Blades 4 th Q



DOCUMENT FORM BORESCOPE INSPECTION FORM

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		SIGN	STAMP
7	Perform inspection of PT-Blades and PT-Vanes Ring <u>Defects:</u> <u>RESULT SATISFACTORY FOUND NO DEFECT</u> <u>If defects found, quote MM Limitation and References :</u>		

Photo of PT-Blades/Vanes 1 st Q	Photo of PT-Blades/Vanes 2 nd Q
Photo of PT-Blades/Vanes 3 rd Q	Photo of PT-Blades/Vanes 4 th Q

Revision No. : 00

SCA/AMO 1-001

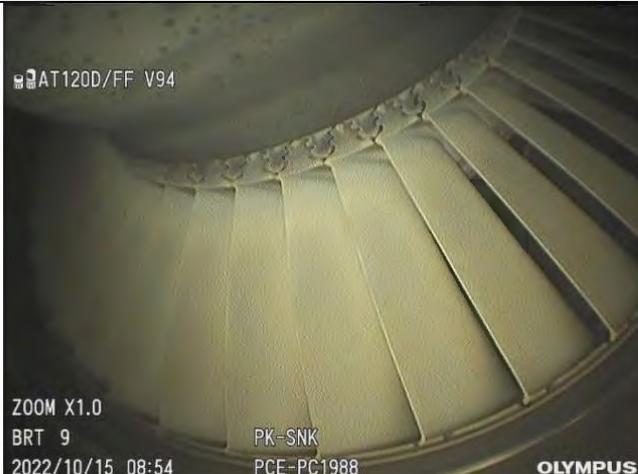
August 2019

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DOCUMENT FORM BORESCOPE INSPECTION FORM

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		SIGN	STAMP
8	Install fuel manifold adapter(s) (Ref. 73-10-05).		
9	Perform fuel leak check post fuel nozzle installation		

BORESCOPE PERFORMED BY

Name: _AMIN MOKHAMAD SAID

Signature



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE	: CESSNA 208	TTSN	: 3861:39
A/C REG	: PK-SNK	TCSN	: 5435
MSN	: C208-00658	DATE	: 15-OCT-2022

TYPE OF INSPECTION : INSPECTION 400 HRS INSP.
DUE AT : 3869 A/F HOURS / 6700 ENG. TSN
REFF : MP C208/ 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
AMIN MOHAMAD SAID	AIRFRAME & POWER PLANT	8630		15/OCT/2022
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 800 HRS

DUE AT : 3969:00 FH

Form: SCA/MTC/049



INSPECTION CARD
(Form: SCA/MTC/048)

TECHNICAL
DEPARTMENT

1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE
1C-001	WO		74-20-00	15-OCT-2022
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
PL-SNK	C208			
9. ZONE	10. STA	11. MTC TYPE		
ENGINE	TRK	REPLACEMENT		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE
1/4 IGNITER NEEDED TO REPLACE	FMS	15/10/2022

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
REPLACED WITH NEW ONE' IGNITER, IAW C208 AMM CH. 72-40-00	ADIT	FMS	15/10/2022
Performed at A/C TT: 3861.39 A/C TC/LDG: 59.35			
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"/> Others	<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
IGNITER	CH34055	1	-	-	V	-
23. TOOLS REQUIRED						
DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE		STATUS		
GENERAL TOOL	-	-		OK		



MAINTENANCE PROGRAM

CESSNA C208/C208B

Appendix B02 – PT6A-114A Engine Run Performance Sheet

Reg. Mark : PK - SNK

WO/FML No. : WO/089-SNK/X/2022

PRE - INSPECTION	
Location	TRK
Date	14 OCT 2022
Cycle	
Filed Barometric	29.92
OAT	31°C
Altitude	200 FT

POST - INSPECTION	
Location	TRK
Date	15 OCT 2022
Cycle	
Filed Barometric	29.92
OAT	33°C
Altitude	190

PRE - INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1880
ITT	785 °C	708 °C
Ng	99.1 %	99.0 %
Wf	450	449
Oil Press	88 %	PSI
Oil Temp	80 °C	
Start Temp	648 °C	

	Target	Actual
Tq	1865	1865
Np	1900	1880
ITT	790 °C	697 °C
Ng	99.2 %	99.1 %
Wf	450	450
Oil Press	88 %	PSI
Oil Temp	78 °C	
Start Temp	659 °C	

Engine Run Up Checks

Inertial EPL OVG Stby Alt BOV Brake Randomn

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
Farman Syaefi		15/OCT/2022	TABAKAN



Additional Work Sheet Inspection 400 Hrs

Aircraft Registration: **PK-SNK**

WO# Nr: WO/089-SNK/X/2022

Parts Used Sheet

1

Special Tool Used

Part Used



Additional Work Sheet

Aircraft Registration: **PK-SNK**

WO # Nr. WO/089-SNK/X/2022

Parts Used Sheet

2

Part Used