



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 400Hrs Engine&200Hrs Airframe	No.	WO/016-SNO/V/2023
	Date	8 Apr 2023
	A/C Reg.	PK-SNO C208B-2375
Reference : MP C208B Issued #1	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Inspection 400Hrs Eng. & 200Hrs A/F
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

Carried out

Sign & Date

Company Lic. No.: SCA 27

 21/05/2023

(Engineer In Charge)





Wahjono

Signature


(Technical Manager)

AIRCRAFT CHECK WORK SUMMARY

(Form: SCA/MTC/051)

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
8 May 2023	WO/016-SNO/V/2023	400Hrs Eng. & 200Hrs A/P	21-05-2023.		
A/C Type		Mfg. Serial Number	A/C Registration		
C208B		C208B-2375	PK-SNO		
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-PC1937	386:4/541		
	#2	-	-		
Propeller/Rotor	#1	111120	2431:39		
	#2	-	-		
Landing Gear	NLG		6587:46/9204		
	LH MLG		6587:46/9204		
	RH MLG		6587:46/9204		
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>	D121001	LH & RH Brake Insulator Worn out		✓	Wahyono 
<u>IC-002</u>	E742002	LH & RH Igniter Plug Worn out		✓	Wahyono 
<u>IC-003</u>	C270001	For LH rod end Bearing alleron wear		✓	Wahyono 
<u>IC-004</u>	D121001	LH & RH Brake rings Leak		✓	Wahyono 
<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



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Hani

Checked by :
Chief Maintenance



.....
Dodit

Verified by :
Chief Inspector



.....
Yanuar

Approved by :
Technical Manager



.....
Istiono



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE : CESSNA 208B
A/C REG : PK-SNO
MSN : C208B-2375
TTSN : 6587-46
TCSN : 0204
DATE : 21-05-2023

TYPE OF INSPECTION : INSPECTION 400HRS ENG.&200HRS A/F
DUE AT : 6588 HRS
REF : MP C208B ISSUED 01

EXCEPTION

Nil

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
Wahyono	AIRFRAME & POWER PLANT	5709/SC27		21/05/2023.
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 100 hrs Insp.
DUE AT : 6688 hrs.

Form: SCA/MTC/049



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

WO Ref: WO/016-SNO/V/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX B07	PT6A-114A ENGINE GROUND RUN	21/2023 /05	-	Wahyono	
2	APPENDIX C03	200 HRS/12 MTHS INSPECTION	21/2023 /05	-	Wahyono	
3	APPENDIX D01	PT6A-114A ENGINE 100 HOURS	21/2023 /05	-	Wahyono	
4	APPENDIX D02	PT6A-114A ENGINE 200 HOURS	21/2023 /05	-	Wahyono	
5	APPENDIX D03	PT6A-114A ENGINE 200 HRS/6 MTHS	21/2023 /05	-	Wahyono	
6	APPENDIX D04	PT6A-114A ENGINE 400 HOURS	21/2023 /05	-	Wahyono	
7	SCA/MTC/023	EMERGENCY EQUIPMENT CHECKLIST	21/2023 /05	-	Wahyono	




INSPECTION CARD

(Form: SCA/MTC/048)

TECHNICAL
DEPARTMENT

1. CARD # IC-001	2. JOWO # W0/016-SNO/4/2023	3. ORIGINATOR	4. CARD REF D121001	5. DATE 21-05-2023
6. A/C REG/MSN PK-SNO/2375	7. A/C TYPE C208B	8. TRADE	12. VENDOR ORDER #	
9. ZONE 121	10. STA L/5	11. MTC TYPE 200 A/F & 400 ENG		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20 Lft & Rft Brake Insulator Worn out	14 PPC/ENG	15 DATE
	Lbs	21/2023 /05

16. CORRECTIVE ACTION Replaces Lft & Rft Brake Insulator With new one. 18W Annm C208B chapt 32-40-00. Performed at A/C TT: <u>6587:46</u> A/C TC/LDG: <u>9204</u>	17 MECH	18 ENG. LIC	19 DATE
			21/2023 /05

20. CORROSION INFORMATION			
LOCATION	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		
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			
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
Insulator	088-00100	2	-	-	✓	

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



INSPECTION CARD

(Form: SCA/MTC/ 048)

TECHNICAL
DEPARTMENT

1. CARD # IC-002	2. JO/WO # WO/016-SNO/4/2023	3. ORIGINATOR	4. CARD REF E942002	5. DATE 21-05-2023
6. A/C REG/MSN PK-SNB/2375	7. A/C TYPE C208B	8. TRADE	12. VENDOR ORDER #	
9. ZONE 130	10. STA Eng.	11. MTC TYPE 200A/E & 400 Eng.		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14 PPC/ENG	15 DATE
LH & RH Igniter plug Worn out	Use	21/2023 105

16. CORRECTIVE ACTION	17 MECH	18 ENG. LIC	19 DATE
	Replaced LH & RH Igniter plug with new one 1st W AMM C208B chapt 7-20-02 Performed at A/C TT: <u>6587-46</u> A/C TC/LDG: <u>9204</u>		
		21/2023 105	

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"/> Blocked Drain
<input type="checkbox"/> Doublers	<input type="checkbox"/> Wet Insulation Blanket
<input type="checkbox"/> Others	<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 plug	CH34055	2	-	-	✓	

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



INSPECTION CARD

(Form: SCA/MTC/ 048)

TECHNICAL
DEPARTMENT

1. CARD # 1C-003	2. JO/WO # W6/06-SNO/1/2023	3. ORIGINATOR	4. CARD REF C270001	5. DATE 21-05-2023
6. A/C REG/MSN PK-SNO/2375	7. A/C TYPE C208B.	8. TRADE	12. VENDOR ORDER #	
9. ZONE 503	10. STA Wing STA	11. MTC TYPE 200A/F & 400 ENG		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20 LH rod End Bearing oileron wear	14 PPC/ENG WSE	15 DATE 21/2023 15
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16. CORRECTIVE ACTION Replaced LH rod End Bearing oileron with new one 1AW AMM C208B chapt 07-00-01 Performed at A/C TT : 6587-46 A/C TC /LDG : 5004	17 MECH	18 ENG. LIC 	19 DATE 21/2023 05
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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
rod End Bearing	S2202-3	1	-	-	✓	

23. TOOLS REQUIRED

DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS



INSPECTION CARD

(Form: SCA/MTC/048)

TECHNICAL
DEPARTMENT

1. CARD # IC-004	2. JO/WO # WD/016-SNO/V/2023	3. ORIGINATOR	4. CARD REF D12001	5. DATE 21-05-2023
6. A/C REG/MSN PK-SNO/2375	7. A/C TYPE C208B	8. TRADE	12. VENDOR ORDER #	
9. ZONE 121	10. STA L/G.	11. MTC TYPE 200A/400 ENG		

13. DESCRIPTION/DEFECT-IF FINDING OF CPCS INSPECTION, PLEASE COMPLETE SET. 20 LH & RH Brake Oring Leak.	14 PPC/ENG	15 DATE
	WR	21/2023 /05

16. CORRECTIVE ACTION Replaced LH & RH Brake Oring With new one 1AW AMM C208B chapt 32-40-00.	17 MECH	18 ENG. LIC	19 DATE
			21/2023 /05
Performed at A/C TT : 6587: 46 A/C TC /LDG : 0004			

20. CORROSION INFORMATION			
LOCATION	CAUSE OF DAMAGE		
	<input type="checkbox"/> Environment		
	<input type="checkbox"/> Internal Leakage		
	<input type="checkbox"/> Chemical Spill		
CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread	<input type="checkbox"/> LAV/Galley Spill		
CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3	<input type="checkbox"/> Blocked Drain		
PROPOSED ACTION <input type="checkbox"/> Doublers	<input type="checkbox"/> Wet insulation Blanket		
<input type="checkbox"/> Others	<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
Oring	MS28775-224	8	-	-	<input checked="" type="checkbox"/>	

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-SND

WO/FML No. : WO/016-SND/V/2023

PRE - INSPECTION	
Location	NBx
Date	18 MAY 2023
Cycle	1
Filed Barometric	1010
OAT	31°C
Altitude	5 ft

POST - INSPECTION	
Location	NBx
Date	21-05-2023
Cycle	1
Filed Barometric	299.2 inHg
OAT	33°C
Altitude	5 ft

PRE - INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	
ITT	795 °C	735 °C
Ng	99.5 %	99.6 %
Wf	450	451
Oil Press		96 °C
Oil Temp		78 °C
Start Temp		82.6 °C

POST-INSPECTION		
	Target	Actual
Tq	1865	1865
Np	1900	1850
ITT	793 °C	727 °C
Ng	99.4 %	99 %
Wf	450	444
Oil Press		96 °C
Oil Temp		85 °C
Start Temp		75.4 °C

Engine Run Up Checks

Inertial EPL OVG Stby Alt BOV Brake Rاندون

NOTE:

1. Brake system at Torque 1500 ft-lbs.
2. Inertial Separator at Torque 400 ft-lbs.
3. EPL check can't exceed 4% Ng per second.
4. Standby Alt at 80% Ng.
5. Low idle at 52.5 – 53.5% 40Amps.
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:

Good.

PERFORMED BY

Name	Sign & Stamp	Date	Location
Wahidano		21/05/2023	NBx



**EMERGENCY EQUIPMENT
LIST
INSPECTION & MONITOR**

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

DATE : 21 - MAY - 2023	A/C REG : PK-SND
A/C TYPE : C208B	CHECKER : Wahyono SIGN: <i>Wahyono</i>

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01202-201	22090490296	Sept 2023.	S
2	Co-Pilot Life Vest	P01202-201	22090490103	Sept 2023	S
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	FAK	NSN	15-DEC-2023	SERVICEABLE
14	Crash Axe Installed	NPN	NSN	0/c	SERVICEABLE
15	Fire Extinguisher	C352	F75060951	NOV 2023	S
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					
18.	FLASH LIGHT	NPN	NSN	0/c	SERVICEABLE



DOCUMENT FORM
BORESCOPE INSPECTION
FORM

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Engine Borescope Inspection

Job No: WO/016-SNO/V/2023

<u>Engine Serial Number</u> PCE-PC1937	<u>Date</u> 13 MAY 2022	<u>Base / Location</u> NABIRE	<u>Aircraft Registration</u> PK-SNO
<u>Aircraft Total Time</u> 6566:15 Hours	<u>Aircraft Total Cycle</u> 9179 Cycle	<u>Reason For Borescope</u> 400 HRS INSP	

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. Defects: RESULT FOUND NO DEFECT <u>If defects found, quote MM Limitation and References :</u>		

Photo of First Stage Compressor 1st Quadrant

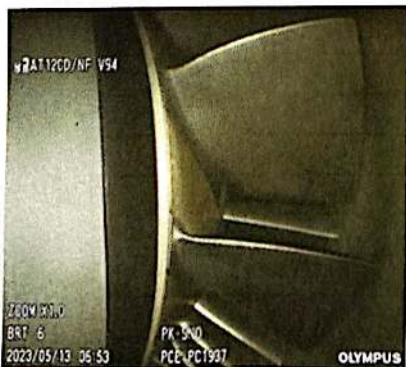


Photo of First Stage Compressor 2nd Quadrant

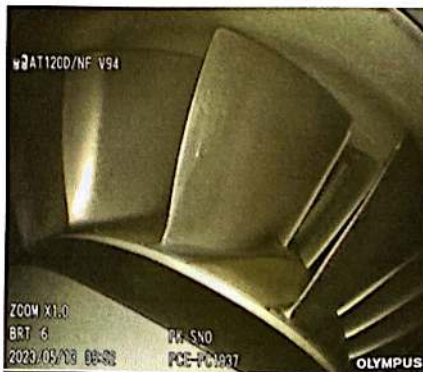


Photo of First Stage Compressor 3rd Quadrant

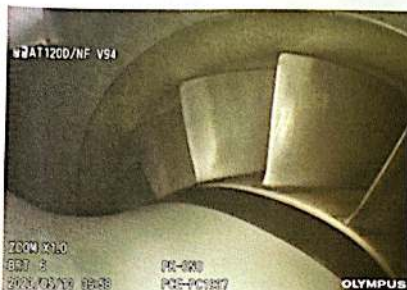
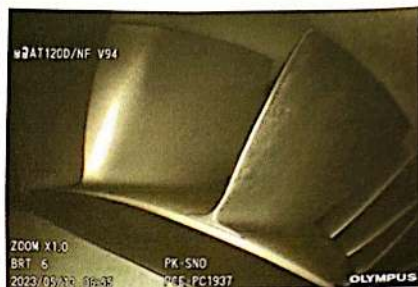


Photo of First Stage Compressor 4th Quadrant



3

Perform inspection of Combustion Chamber Liner Assembly.

Defects:

Localized burning and carbon build up of the cooling ring

If defects found, quote MM Limitation and References :

PT6A-114A EMM 72-40-01 Para. 6.B (Acceptable Conditions, Repair Unnecessary)

SIGN

STAMP




Photo of Combustion Chamber 1st Quadrant



Photo of Combustion Chamber 2nd Quadrant



Photo of Combustion Chamber 3rd Quadrant



Photo of Combustion Chamber 4th Quadrant





DOCUMENT FORM BORESCOPE INSPECTION FORM

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

Photo of CT Stator 1st Quadrant

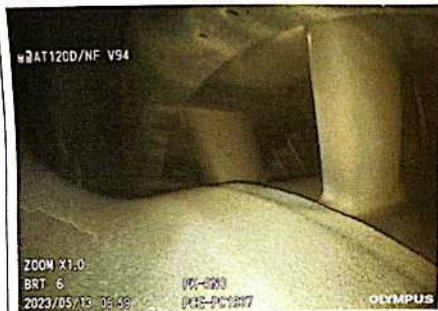


Photo of CT Stator 2nd Quadrant

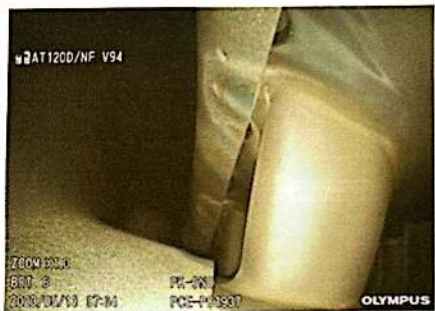


Photo of CT Stator 3rd Quadrant



Photo of CT Stator 4th Quadrant



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

Photo of Leading Edge CT-Blades 1st Quadrant



Photo of Leading Edge CT-Blades 2nd Q



Photo of Leading Edge CT-Blades 3rd Quadrant

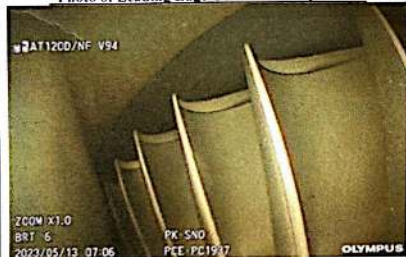
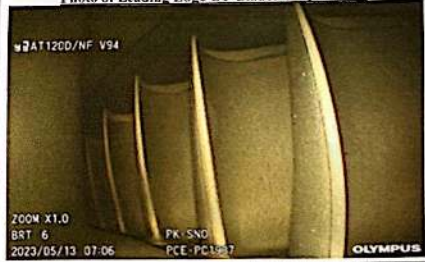


Photo of Leading Edge CT-Blades 4th Quadrant



Perform inspection CT-Blades Trailing Edge

Defects:

RESULT SATISFACTORY FOUND NO DEFECT

6

If defects found, quote MM L limitation and References :

SIGN

STAMP




Photo of CT-Blades Trailing Edge 1st



Photo of CT-Blades Trailing Edge 2nd Q

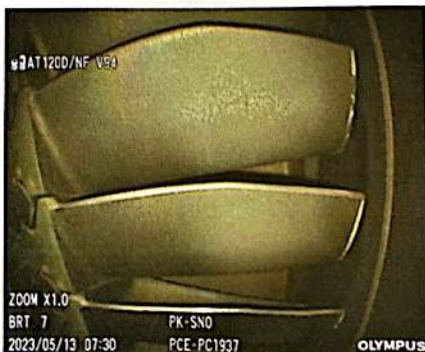


Photo of CT-Blades Trailing Edge 3rd Q

 Photo of CT-Blades Trailing Edge 4th Q


7

Perform inspection of PT-Blades Defects:

RESULT FOUND NO DEFECT

If defects found, quote MM Limitation and References :

SIGN

STAMP



 Photo of PT-Blades 1st Q

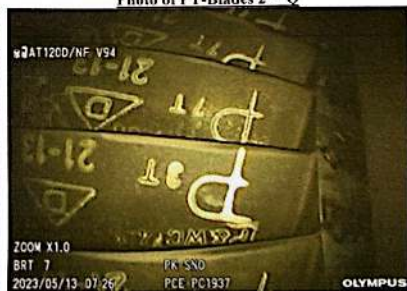




 Photo of PT-Blades 2nd Q

 Photo of PT-Blades 3rd Q

 Photo of PT-Blades 4th Q




**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: AGUS SULAEMAN

Signature:



Stamp:

