



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 100 Hours / Annual and Add Task Insp. Due at 800 FH.	No.	WO/037-PK-SNE/X/2023
	Date	13 October 2023
	A/C Reg.	PK-SNE MSN 1017
Reference : MP Pilatus PC-6 Issued 01. Rev. 00	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : Engineer In Charge		
Description : 1. Perform Inspection 100 Hours / Annual and Add Task Insp. Due at 800 FH. 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 EO HRS 100P/ANNUAL AND ADD TASK C/O	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		
13 OCTOBER 2023	WO/037-SNE/X/2023	100H / Annual Inspection	23- OCT- 2023		
A/C Type		Mfg. Serial Number	A/C Registration		
PILATUS PORTER PC-6		1017	PK-SNE		
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-PG0568	793:55 / 1076		
	#2	-			
Propeller/Rotor	#1	FY5100	793:55		
	#2	-			
Landing Gear	NLG		793:55 / 1076		
	LH MLG		793:55 / 1076		
	RH MLG		793:55 / 1076		
PACKAGE COVERED					
No	Subject	Qty	Remark		
1	Non-Routine Card	11			
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>					
<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



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Dwi M.

Checked by :
Chief Maintenance



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Verified by :
Chief Inspector



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Yanuar

Approved by :
Technical Manager



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

WO Ref: **WO/037-PK-SNE/X/2023**

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX	ENGINE GROUND RUN CHECK SHEET	23/10/23		Auz	
2	APPENDIX	100 HOURS / ANNUAL INSPECTION - PILATUS	23/10/23		Auz	
3	APPENDIX	Fuel System Underwing Tank Inspection	23/10/23		Auz	
4	APPENDIX	Fuel System Underwing Tank Inspection Transfer Pump Filters	23/10/23		Auz	
5	APPENDIX	Fuel Indicating System	21/10/23		Auz	
6	APPENDIX	Fuel Distribution System	21/10/23		Auz	
7	APPENDIX	Wheel and Brakes Inspection	11/10/23		Auz	
8	APPENDIX	200 HOURS AGB INLET SCREEN INSPECTION	22/10/23		Auz	
9	NRC#01	200 HOURS STARTER GENERATOR - BRUSHES CHECK FOR WEAR	20/10/23		Auz	
10	NRC#02	200 HOURS PROPELLER OVERSPEED GOVERNOR	21/10/23		Auz	
11	NRC#03	400 HOURS SPARK IGNITORS - FUNCTIONAL CHECK	23/10/23		Auz	
12	NRC#04	400 HOURS COMPRESSOR - CORROSION AND EROSION	21/10/23		Auz	
13	NRC#05	400 HOURS BORESCOPE - HOT SECTION INSPECTION	21/10/23		Auz	
14	NRC#06	400 HOURS TURBINE - CORROSION AND EROSION	21/10/23		Auz	
15	NRC#07	400 HOURS LUBRICATION PROPELLER HARTZEL INSPECTION	21/10/23		Auz	
16	NRC#08	400 HOURS ENGINE DRIVEN FUEL PUMP - CHECK PUMP DRIVE SHAFT	23/10/23		Auz	
17	NRC#09	800 HOURS - PEDAL BRAKE - DYE PENETRANT / NDT	23/10/23		Auz	
18	NRC#10	3 MONTHS EMERGENCY BATTERY - OPERATIONAL TEST	20/10/23		Auz	
19	NRC#11	4500 HOURS / 18 MONTHS HAWKER LEAD ACID BATTERY CAPACITY TEST	20/10/23		Auz	
20	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	23/10/23		Auz	

Appendix B - Form: SCA/MTC/050



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : PILATUS PORTER PC-6	TTSN : 793:55
A/C REG : PK-SNE	TCSN : 1076
MSN : 1017	DATE : 23-OCT-2023

TYPE OF INSPECTION : 100 HOURS / ANNUAL INSPECTION
 DUE AT : 800 HOURS
 REFF : MP Pilatus PC-6 Issued 01. Rev. 00

EXCEPTION

REF TO CHAPTER 32 MP PILATUS PC-6 ISSUED 01 REV.00 PEDAL BRAKE - DIE PENETRANT /
 NDI, RAISE STE WITH APPROVAL NO.001 / PE-SMG / STE / SCA / VII / 2023 DUE TO SPECIAL
 TOOL, IN PROCESS SHIPPING

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
M. ARI ANDIKA	AIRFRAME & POWER PLANT	91633 / SCA 23		23-OCT-2023
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 100 HRS INSPECTION
 DUE AT : 900:00

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	
	WO/037-SNE/X/2023				
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #		
PK-SNE / 1017	Pilatus				
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				
	☐ Environment				
	☐ Internal Leakage				
CORROSION ☐ Isolated ☐ Widespread	☐ Chemical Spill				
CORROSION LVL ☐ 1 ☐ 2 ☐ 3	☐ LAV/Galley Spill				
PROPOSED ACTION ☐ Doublers	☐ Blocked Drain				
☐ Others	☐ Wet Insulation Blanket				
.....	☐ 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

NON ROUTINE CARD (Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	200 HOURS - CHECK	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
01	24		
9. ZONE	10. PANEL	-	

11. DESCRIPTION

STARTER GENERATOR - BRUSHES CHECK FOR WEAR

REFERENCE	☐ COMPONENT MANUAL	☒ AMM 24-31-11	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT

PERFORMED STARTER GENERATOR BRUSHES CHECK FOUND ON THE LIMIT (REMAINING 20%)

Performed at A/C TT : 793:55 A/C TC /LDG : 1076

FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				20 10 23

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

NON ROUTINE CARD
(Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	200 HOURS - CHECK	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
02	71		
9. ZONE	10. PANEL	-	

11. DESCRIPTION

PERFORM PROPELLER OVERSPEED GOVERNOR

REFERENCE	☐	☒ AMM Ch. 71-00-00	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
PERFORMED PROPELLER OVERSPEED GOVERNOR FOUND SATISFY Performed at A/C TT : 793:55 A/C TC /LDG : 1076				
FINDING	☐ Y ☐ N	ACT MHR : DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #		23	10	23

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

NON ROUTINE CARD (Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	FUNCTIONAL CHECK	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
03	74		
9. ZONE	10. PANEL	-	

11. DESCRIPTION

SPARK IGNITORS - FUNCTIONAL CHECK

REFERENCE	☐ COMPONENT MANUAL	☒ AMM 74-20-00	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT

PERFORMED SPARK IGNITORS FUNCTIONAL CHECK FOUND SATISFY

Performed at A/C TT : 793: 55 A/C TC /LDG : 1076

FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				

MECH	ENG	INSP (*)
		
23	10	23

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

NON ROUTINE CARD (Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	INSPECTION	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
04	72		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
COMPRESSOR - CORROSION AND EROSION			
REFERENCE	☐ COMPONENT MANUAL	☒ AMM 72-30-00	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
				
PERFORMED COMPRESSOR CORROSION AND EROSION CHECK FOUND SATISFY Performed at A/C TT : 713:55 A/C TC /LDG : 1076				
FINDING	☐ Y ☐ N	ACT MHR :		DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #		21	10	23

13. PARTS REQUIRED				
DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

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

NON ROUTINE CARD
(Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	INSPECTION	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
05	72		
9. ZONE	10. PANEL		

11. DESCRIPTION

BOREScope - HOT SECTION INSPECTION

REFERENCE

☐

☒ EMM 72-30-00

☐ OTHER

RII (*)

☐ Y

☒ N

MHR :

12. RESULT

PERFORMED BORESCOPE HOT SECTION INSPECTION FOUND SATISFY

Performed at A/C TT : 7013-55 A/C TC /LDG : 1076

MECH

ENG

INSP (*)

[Signature]

[Signature]

FINDING

☐ Y

☐ N

ACT MHR :

DATE/TIME
(DD/MM/YY)

INSPECTION CARD (IC) #

21

10

23

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

NON ROUTINE CARD (Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	INSPECTION	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
06	72		
9. ZONE	10. PANEL	-	

11. DESCRIPTION

TURBINE - CORROSION AND EROSION

REFERENCE	☐	☒ EMM 72-30-00	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
PERFORMED TURBINE CORROSION AND EROSION FOUND SATISFY Performed at A/C TT : 793: 55 A/C TC /LDG : 1076				
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #			21	10 23

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

NON ROUTINE CARD (Form: SCA/MTC/047)

1. JOWO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	LUBRICATION	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
07	61		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
PERFORM LUBRICATION PROPELLER HARTZEL INSPECTION			
REFERENCE	☐	☒ PROP. MANUAL 61-00-49	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
PERFORMED LUBRICATION PROPELLER HARTZEL INSPECTION FOUND SATISFY Performed at A/C TT : 793:55 A/C TC /LDG : 1076				
FINDING	☐ Y ☐ N	ACT MHR : DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #		21	10	23

13. PARTS REQUIRED				
DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

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

NON ROUTINE CARD (Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	CHECK	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
08	28		
9. ZONE	10. PANEL	-	

11. DESCRIPTION

PERFORM ENGINE DRIVEN FUEL PUMP - CHECK PUMP DRIVE SHAFT

REFERENCE	☐	☒ AMM 28-20-03	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT

PERFORMED ENGINE DRIVEN FUEL PUMP - CHECK PUMP
DRIVE SHAFT FOUND SATISFY

Performed at A/C TT : 793: 55 A/C TC /LDG : 1076

FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				23 10 23

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS
GENERAL TOOLS	N/A	0/c	SERVICEABLE

NON ROUTINE CARD (Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCTOBER 2023	NDT	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
09	32		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
PEDAL BRAKE - DYE PENETRANT / NDT			
REFERENCE	☐ COMPONENT MANUAL	☒ AMM 32-00-00	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
REF TO CHAPTER 32 MP PILATUS PC-6 ISSUED 01 REV.00 PEDAL BRAKE - DYE PENETRANT / NOT RAISE STE WITH APPROVAL NO 001 / PE-SNE / STE / SCA / VII / 2023 DUE TO SPECIAL TOOL IN PROGRESS SHIPPING Performed at A/C TT : 7913:55 A/C TC / LDG : 1070				
FINDING	☐ Y ☐ N			
INSPECTION CARD (IC) #		21	10	21

13. PARTS REQUIRED				
DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

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

NON ROUTINE CARD
(Form: SCA/MTC/047)

1. JOWO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCT 2023	CHECK	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
10	24		
9. ZONE	10. PANEL		

11. DESCRIPTION			
EMERGENCY BATTERY - OPERATIONAL TEST			
REFERENCE	☐	☒ AMM 24-20-03	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
PERFORMED EMERGENCY BATTERY - OPERATIONAL TEST FOUND SATISFY Performed at A/C TT : 793:55 A/C TC/LDG : 1076				
FINDING	☐ Y ☐ N	ACT MHR :		DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #		20	0	23

13. PARTS REQUIRED				
DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

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

NON ROUTINE CARD
(Form: SCA/MTC/047)

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/037-PK-SNE/X/2023	13 OCTOBER 2023	INSPECTION TEST	PK-SNE/1017
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
11	24		
9. ZONE	10. PANEL	-	

11. DESCRIPTION

HAWKER LEAD ACID BATTERY CAPACITY TEST

REFERENCE	☐ COMPONENT MANUAL	☒ CMM 24-32-11	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
PERFORMED HAWKER LEAD ACID BATTERY CAPACITY TEST FOUND SATISFY Performed at A/C TT : 793: 55 A/C TC /LDG : 1076				
FINDING	☐ Y ☐ N	ACT MHR : DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #		20	10	23

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS

	EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR	PT. SMART CAKRAWALA AVIATION DEPARTMENT TEKNIK Form: SCAMTC/023
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DATE : 23- OCT - 2023	A/C REG : PK-SNE
A/C TYPE : PILATUS PORTER PC6	CHECKER : M. AUL ANDIKA 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		L111 08 20E	OCT - 2024	GOOD
14	Crash Axe Installed	NPN	AS 53	9/6	GOOD
15	Fire Extinguisher	BA51015R - 53	120655	FEB - 2024	GOOD
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)	63016 - 101	182347	DEC - 2023	GOOD
OTHERS					



WO/037-SNE/X/2023

Additional Work Sheet

100 Hours / Annual Inspection

[illegible]



Aircraft Registration: PK-SNE

WO/037-SNE/X/2023

Parts Used Sheet



Additional Work Sheet

100 Hours / Annual Inspection

[illegible]

	ENGINE GROUND RUN CHECK SHEET - PT6A-27 ENGINE WITH FOUR BLADE PROPELLER (HARTZELL STC SA377CH)		
			

WORK ORDER NO.		: WO/037-SNE/X/2023	
Aircraft Registration	PK-SNE	Aircraft Total Hours	793:55 / 1076
Aircraft Serial No.	1017	Aircraft Total Landings	1076
Engine Serial No.	PCB-PC 0568	Engine TSN / TSO	793:55
Propeller Serial No	FY100	Propeller TSN / TSO	793:55
Ambient Temp	41 °C	FBP (Field Barometric Pressure)	1011 In.Hg
Date	23 - OCT - 2023	Time	08:10 UTC
Mechanic / Engineer	M. ARI ANDIKA	Authorized Engineer	By PILOT (OLIVER J)
Reason For Ground Run		100 HRS INSP	

Checks to be carried out. No:	1 2 4 7 8 10 11 12 13 14 15 every 100 Hrs In additional check 9 in every interval 200 Hrs
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Engine Ground Run Check Frequency

Check Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Each 100 Hrs/ Annual	x	x		x			x	x		x	x	x	x	x	x
Each 200 Hrs									x						
Pre-Complete Overhaul	x	x	x	x		x	x	x	x	x	x	x	x	x	x
After Short Term Storage															x
After Long Term Storage	x	x	x	x		x	x	x	x	x	x	x	x	x	x

In additional the following check must be carried out after Installation, Repair and Adjustment of any of the following components.

Check Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Engine Installation	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Propeller Installation		x	x	x	x			x							
Fuel Control Unit	x				x	x	x	x		x	x				
HP Fuel Pump						x	x								
Fuel Nozzle						x	x								
Starting Flow Control	x				x		x	x							
Emer Fuel Control Actuator											x				
Prop Governor	x		x	x	x		x	x							
Prop Overspeed Governor									x						
Compressor Bleed Valve						x	x								
Engine Controls	x			x	x			x	x						
Low Pitch Warning Switch				x											

NO.	CHECK	TARGET	ACTUAL
7	Engine Performance	Ref: AMM 71-00-00	
	Target Torque Pressure	41 psi	41.4 psi
	Fuel flow (Actual minus 23 lb / hr or 3.4 gal / hr)	51 lb / hr	52 lb / hr
	Target Ng	95.2 % Ng	94.7 % Ng
	Maximum ITT	695 °C	621 °C
8	Reverse Power Setting		
	Np Torque	1880 - 1925 rpm (85.5 - 87.5 %) psi	1880 rpm 24 psi
9	Propeller Overspeed Governor		
	Test Lever Selected to:		
	TEST NORMAL	1880 - 1920 rpm (85.5 - 87.3 %) 1980 - 2000 rpm (90.0 - 90.9 %)	1880 rpm rpm
10	Acceleration	64 % – 90 % Ng 2.5 – 4 secs	secs
	Deceleration 85% to 60% Ng or low idle speed (Whichever comes first)	Maximum 6-12 sec (Dependent upon altitude)	4 secs altitude (kFt)
	Manual Override (MOR) (Aircraft with SB 164) Use Toggle Switch In Small Increment (REF. to WARNINGS and CAUTIONS in Check 11)	Increase to 15% above Idle (Max Increase less than 4 % per Second) Decrease To Idle (Max Decrease less Than 4% per Second)	✓ OK? ✓ OK?
12	Oil Pressure	80 -100 psi	87 psi
13	Generator (Ref. 24-30-00)	Online by 60% Ng	59.9 % Ng
14	Suction (High Idle)	4.5 – 5.2 in. Hg	N/A in. Hg
15	Engine Rundown Time After Stop	MIN 30 secs	38 secs
Additional			
Generator Check (High Idle Under Load)		27.75 – 28.25 VDC	28.2 VDC
After Engine Run			
Check Eng. For Signs of Fuel/Oil/Air Leaks		NO LEAKS FOUND	✓ OK?
Safety All Screws, Bolts, Locknuts as Req.			✓ OK?

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Engine Borescope Inspection

Job No: **WO/037-SNE/X/2023**

<u>Engine Serial Number</u> PCE-PG0568	<u>Date</u> 21 OCT 2023	<u>Base / Location</u> MALINAU	<u>Aircraft Registration</u> PK-SNE
<u>Aircraft Total Time</u> 793:53 Hours	<u>Aircraft Total Cycle</u> 1076 Cycle	<u>Reason For Borescope</u> 800 HOURS INSPECTION	

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

Photo of First Stage Compressor 1st Quadrant

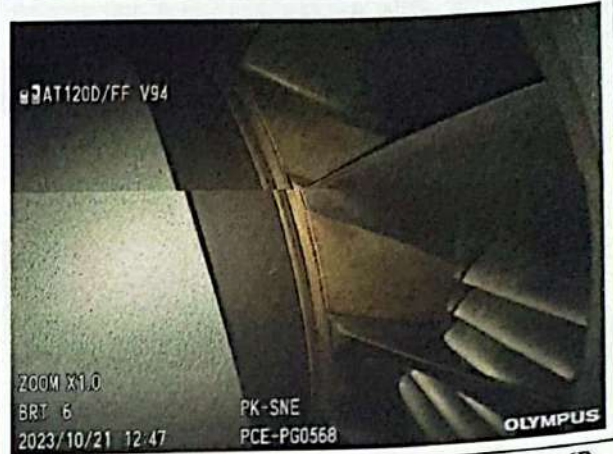


Photo of First Stage Compressor 2nd Quadrant



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 <u>If defects found, quote MM Limitation and References :</u> PT6A-27 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	Perform Inspection of CT-Stator assembly. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT <u>If defects found, quote MM Limitation and References :</u>	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	Perform inspection of CT-Blades and shroud segments. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT <u>If defects found, quote MM Limitation and References :</u>	SIGN	STAMP

Photo of Leading Edge CT-Blades 1st Quadrant

Photo of Leading Edge CT-Blades 2nd Q

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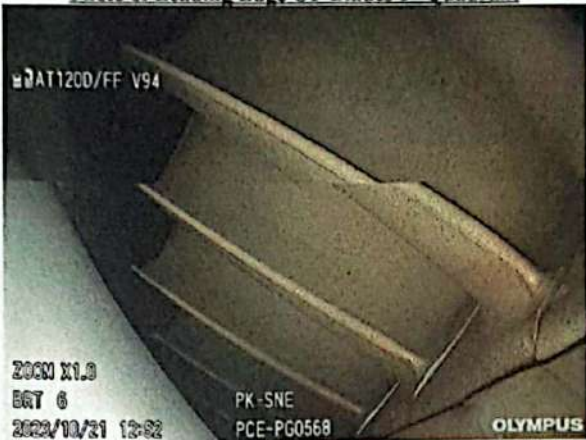
Photo of Leading Edge CT-Blades 1st Quadrant  WAT120D/FF V94 ZOOM X1.0 BRT 6 2023/10/21 13:02 PK-SNE PCE-PG0568 OLYMPUS	Photo of Leading Edge CT-Blades 2nd Q  WAT120D/FF V94 ZOOM X1.0 BRT 6 2023/10/21 13:06 PK-SNE PCE-PG0568 OLYMPUS				
Photo of Leading Edge CT-Blades 3rd Quadrant  WAT120D/FF V94 ZOOM X1.0 BRT 6 2023/10/21 13:03 PK-SNE PCE-PG0568 OLYMPUS	Photo of Leading Edge CT-Blades 4th Quadrant  WAT120D/FF V94 ZOOM X1.0 BRT 6 2023/10/21 13:04 PK-SNE PCE-PG0568 OLYMPUS				
6 Perform inspection CT-Blades Trailing Edge <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT <u>If defects found, quote MM Limitation and References :</u>	<table border="1"> <tr> <th data-bbox="1222 1305 1337 1361">SIGN</th> <th data-bbox="1337 1305 1495 1361">STAMP</th> </tr> <tr> <td data-bbox="1222 1361 1337 1507">  </td> <td data-bbox="1337 1361 1495 1507">  </td> </tr> </table>	SIGN	STAMP		
SIGN	STAMP				
					
Photo of CT-Blades Trailing Edge 1st  WAT120D/FF V94 ZOOM X1.0 BRT 6 2023/10/21 13:25 PK-SNE PCE-PG0568 OLYMPUS	Photo of CT-B  WAT120D/FF V94 ZOOM X1.0 BRT 6 2023/10/21 13:08 PK-SNE PCE-PG0568 OLYMPUS 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 SATISFACTORY 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

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Photo of PT-Blades 3rd Q		Photo of PT-Blades 4th Q	
			
8	Install fuel manifold adapter(s) (Ref. 73-10-05).	SIGN	STAMP
			
9	Perform fuel leak check post fuel nozzle installation	SIGN	STAMP
			

BORESCOPE PERFORMED BY			
Name: M. Ann Andika	Signature : 	Stamp : 	