



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 100 Hours / Annual and Add Task Insp. Due at 400 FH.	No.	WO/014-PK-SND/X/2023
	Date	03 OCTOBER 2023
	A/C Reg.	PK-SND MSN 1018
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 400 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 100 HRS Insp / Annual & ADD TASK C/O	Sign & Date Company Lic. No.: (Engineer In Charge) OCT- 2023	Signature (Technical Manager)

AIRCRAFT CHECK WORK SUMMARY
(Form: SCA/MTC/051)

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
03 OCT 2023	WO/014-PK-SND/X/2023	100H/Annual Inspection	OCT- 2023		
A/C Type		Mfg. Serial Number	A/C Registration		
PILATUS PORTER PC-6		1018	PK-SND		
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-PG0569	395:42 / 468		
	#2	-			
Propeller/Rotor	#1	FY5110	395:42 / 468		
	#2	-			
Landing Gear	NLG		395:42 / 468		
	LH MLG		395:42 / 468		
	RH MLG		395:42 / 468		
PACKAGE COVERED					
No	Subject	Qty	Remark		
1	Non-Routine Card	10			
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>	742002	RH IGNITER FOUND WORN OUT		✓	M. ARIZ V. M. AMPIFA 23
<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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Dodit

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/014-PK-SND/X/2023**

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

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 : 395:42
A/C REG : PK-SND	TCSN : 468
MSN : 1018	DATE : 17-oct-2023

TYPE OF INSPECTION : INSPECTION 100 HOURS / ANNUAL & ADD. TASK INSP.
 DUE AT : 400 HOURS
 REFF : MP Pilatus PC-6 Issued 01. Rev. 00

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
M. Arie Andika	AIRFRAME & POWER PLANT	9633 / SCA 23		17-oct-2023
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 100 HOURS INSP

DUE AT : 500 HRS

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	
IC- 001	WO/014-PK-SND/X/2023	Am ANDREA	742002	17- OCT - 2022	
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #		
PK-SND / 1018	Pilatus				
9. ZONE	10. STA	11. MTC TYPE			
ENGINE		REPLACEMENT			

13. DESCRIPTION/DEFECT-IF FINDING OF CPCP INSPECTION, PLEASE COMPLETE SET. 20	14	15
	PPC/ENG	DATE
PH IGNITER FOUND WORN OUT		17/10/23

16. CORRECTIVE ACTION	17	18	19
	MECH	ENG. LIC	DATE
REPLACED RH IGNITER WITH A NEW ONE Performed at A/C TT : 395:42 A/C TC /LDG : 468			17/10/23

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
IGNITER	CH24055	1 EA	NSN	NSN	✓	

23. 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/014-PK-SND/X/2023	03 OCT 2023	200 HOURS - CHECK	PK-SND/1018
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
01	24		
9. ZONE	10. PANEL	-	
ENGINE			

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
NO WEAR

Performed at A/C TT : 395:42 A/C TC /LDG : 468

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

MECH	ENG	INSP (*)
12	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/014-PK-SND/X/2023	03 OCT 2023	200 HOURS - CHECK	PK-SND/1018
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 : 395: 42 A/C TC /LDG : 468				
FINDING	☐ Y	☐ N	DATE/TIME (DD/MM/YY)	
INSPECTION CARD (IC) #			17	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/014-PK-SND/X/2023	03 OCT 2023	CLEANING & TEST	PK-SND/1018
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
03	73		
9. ZONE	10. PANEL		

11. DESCRIPTION			
FUEL NOZZLE INSPECTION - CLEANING & TEST			
REFERENCE	☐ COMPONENT MANUAL	☒ MM ENGINE PT6A-27	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
PERFORMED FUEL NOZZLE INSPECTION - CLEANING & TEST FOUND SATISFY Performed at A/C TT : 395:42 A/C TC /LDG : 468				
FINDING	☐ Y ☐ N	ACT MHR :		DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #		16	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/014-PK-SND/X/2023	03 OCT 2023	FUNCTIONAL CHECK	PK-SND/1018
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
04	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 : 395 : 42 A/C TC /LDG : 468

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

MECH	ENG	INSP (*)
17	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/014-PK-SND/X/2023	03 OCT 2023	INSPECTION	PK-SND/1018
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
05	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

PERFORMED COMPRESSOR - CORROSION AND EROSION
INSPECTION FOUND SATISFY

Performed at A/C TT : 395:42 A/C TC /LDG : 468

FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				16 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/014-PK-SND/X/2023	03 OCT 2023	INSPECTION	PK-SND/1018
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
06	72		
9. ZONE	10. PANEL		

11. DESCRIPTION

BORESCOPE - HOT SECTION INSPECTION

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

12. RESULT		MECH	ENG	INSP (*)
PERFORMED BORESCOPE - HOT SECTION INSPECTION Performed at A/C TT : <u>395:42</u> A/C TC /LDG : <u>468</u>				
FINDING	☐ Y ☐ N	ACT MHR :		DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #		16	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/014-PK-SND/X/2023	03 OCT 2023	INSPECTION	PK-SND/1018
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
07	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 INSPECTION FOUND SATISFY Performed at A/C TT : 395:42 A/C TC /LDG : 468				
FINDING	☐ Y ☐ N	ACT MHR :		DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #		16	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/014-PK-SND/X/2023	03 OCT 2023	LUBRICATION	PK-SND/1018
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
08	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 Performed at A/C TT : 395: 42 A/C TC /LDG : 468				
FINDING	☐ Y ☐ N	ACT MHR : DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #		15	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/014-PK-SND/X/2023	03 OCT 2023	CHECK	PK-SND/1018
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
09	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 : 3915 : 42 A/C TC /LDG : 468

FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				12 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/014-PK-SND/X/2023	03 OCT 2023	CHECK	PK-SND/1018
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 GOOD Performed at A/C TT : 395:42 A/C TC /LDG : 468				
FINDING	☐ Y ☐ N	ACT MHR : DATE/TIME (DD/MM/YY)		
INSPECTION CARD (IC) #		15	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: SCA/MTC/023
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DATE : 17-Oct-2023	A/C REG : PK-SND
A/C TYPE : PILATUS PORTER PC6	CHECKER : M. Azn Andika SIGN:  

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01202-201	19091660002	MAY 2029	GOOD
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	First Aid Kit	AMC1NCO.10EA.145	LI 110820 A	MARCH 2024	GOOD
14	Crash Axe Installed			%	GOOD
15	Fire Extinguisher	HALON 1211	120611	MARCH 2024	GOOD
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					



WO# **NR:** **WO/014-PK-SND/X/2023**

Additional Work Sheet

100 Hours / Annual Inspection

[illegible]



Aircraft Registration: PK-SND

WO/014-PK-SND/X/2023

Parts Used Sheet

[illegible]

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

WORK ORDER NO.		: WO/014-PK-SND/X/2023	
Aircraft Registration	PK-SND	Aircraft Total Hours	395:42
Aircraft Serial No.	1018	Aircraft Total Landings	468
Engine Serial No.	PCE-PC0569	Engine TSN / TSO	395:42
Propeller Serial No	FY5110	Propeller TSN / TSO	395:42
Ambient Temp	33 °C	FBP (Field Barometric Pressure)	1011 In.Hg
Date	17-OCT-2023	Time	01:05 UTC
Mechanic / Engineer	ARYA P	Authorized Engineer	M. Aln ANDIFA
Reason For Ground Run		ENGINE RUN UP 100 HRS INSPECTION	

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											

MAINTENANCE PROGRAM PILATUS PORTER PC6

Appendix – Engine Ground Run Check Sheet

NO.	CHECK	TARGET	ACTUAL
(7)	Engine Performance	Ref: AMM 71-00-00	
	Target Torque Pressure	41 psi	41 psi
	Fuel flow (Actual minus 23 lb / hr or 3.4 gal / hr)	51 GAL lb / hr	52 GAL lb / hr
	Target Ng	95.2 % Ng	94.9 % Ng
	Maximum ITT	695 °C	614 °C
(8)	Reverse Power Setting		
	Np	1880 - 1925 rpm (85.5 - 87.5 %)	1900 rpm
	Torque	psi	21 psi
(9)	Propeller Overspeed Governor		
	Test Lever Selected to:		
	TEST	1880 - 1920 rpm (85.5 - 87.3 %)	1920 rpm
	NORMAL	1980 - 2000 rpm (90.0 - 90.9 %)	1990 rpm
(10)	Acceleration	64 % – 90 % Ng	secs
	Deceleration	2.5 – 4 secs	
	85% to 60% Ng or low idle speed(Whichever comes first)	Maximum 6-12 sec (Dependent upon altitude)	4.3 secs altitude (kFt)
(11)	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	89 psi
(13)	Generator (Ref. 24-30-00)	Online by 60% Ng	60 % Ng
(14)	Suction (High Idle)	4.5 – 5.2 in. Hg	N/A in. Hg
(15)	Engine Rundown Time After Stop	MIN 30 secs	32 secs
Additional			
	Generator Check (High Idle Under Load)	27.75 – 28.25 VDC	28.1 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?

	DOCUMENT FORM BORESCOPE INSPECTION FORM	
		Page 1

Engine Borescope Inspection			
Job No: WO/014-SND/X/2023			
<u>Engine Serial Number</u>	<u>Date</u>	<u>Base / Location</u>	<u>Aircraft Registration</u>
PCE-PG0569	16 OCT 2023	MALINAU	PK-SND
<u>Aircraft Total Time</u>	<u>Aircraft Total Cycle</u>	<u>Reason For Borescope</u>	
395:42 Hours	468 Cycle	400 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

If defects found, quote MM Limitation and References :

PT6A-27 EMM 72-40-01 Para. 6.B (Acceptable Conditions, Repair Unnecessary)

SIGN

STAMP

VM



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



Photo of Leading Edge CT-Blades 2nd Q

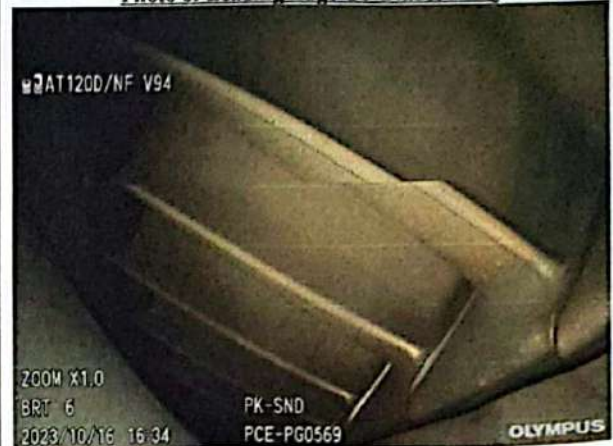
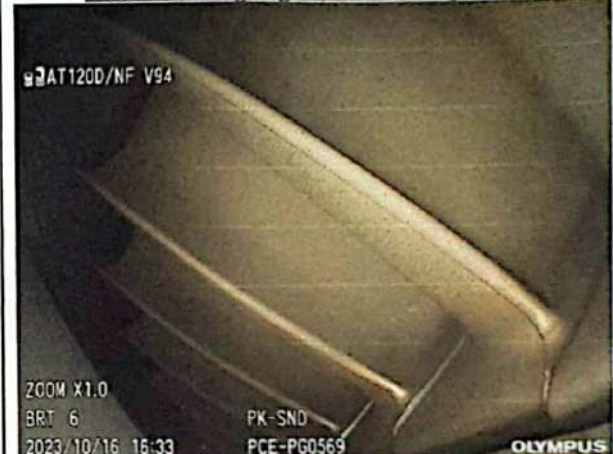


Photo of Leading Edge CT-Blades 3rd Quadrant



Photo of Leading Edge CT-Blades 4th Quadrant



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>	SIGN	STAMP
			

Photo of CT-Blades Trailing Edge 1st



Photo of CT-B



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 - Arn ANDIFA		Signature : 	
		Stamp : 	