



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 100 Hours / Annual and Add Task Insp. Due at 600 FH.	No.	WO/017-SNC/XII/2022
	Date	30 Dec 2022
	A/C Reg.	PK-SNC MSN 1016
Reference : MP PILATUS PC-6 Rev. 02	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 600 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	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		
30 Dec 2022	WO/017-SNC/XII/2022	Inspection 100 Hrs / Annual and Add. Insp.			
A/C Type					
PILATUS PORTER PC-6	Mfg. Serial Number		A/C Registration		
	1016		PK-SNC		
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-PG0567			
	#2	-			
Propeller/Rotor	#1	FY4989			
	#2	-			
Landing Gear	NLG				
	LH MLG				
	RH MLG				
PACKAGE COVERED					
No	Subject	Qty	Remark		
1	Non-Routine Card	7	001 THRU 007		
2	Inspection Card	-			
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>					
<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>					

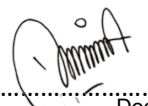
Prepared by :
Technical Support

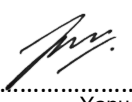
Checked by :
Chief Maintenance

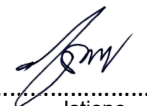
Verified by :
Chief Inspector

Approved by :
Technical Manager


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

WO Ref: WO/017-SNC/XII/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX	ENGINE GROUND RUN CHECK SHEET				
2	APPENDIX	100 HOURS / ANNUAL INSPECTION				
3	APPENDIX	FUEL DISTRIBUTION SYSTEM – ADJUSTMENT TEST				
4	APPENDIX	FUEL INDICATING SYSTEM – ADJUSTMENT				
5	APPENDIX	FUEL SYSTEM UNDERWING TANK INSPECTION TRANSFER PUMP FILTERS				
6	APPENDIX	WHEEL AND BRAKES INSPECTION				
7	NRC-001	3M-OPS TEST EMERGENCY BATTERY				
8	NRC-002	200HRS STARGEN BRUSH CHECK				
9	NRC-003	BLEED VALVE INSPECTION				
10	NRC-004	HP FUEL PUMP COUPLING CORROSION CHECK				
11	NRC-005	HP FUEL INLET SCREEN CLEANING				
12	NRC-006	PROP. GOV. OVSPEED OPS. CHECK				
13	NRC-007	300 HRS/1 YR EMERG. WINDOW LUB.				
14	SCA/MTC/ 023	EMERGENCY EQUIPMENT CHECK				



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : PILATUS PORTER PC-6	TTSN :
A/C REG : PK-SNC	TCSN :
MSN : 1016	DATE :

TYPE OF INSPECTION	: INSPECTION 100 HOURS / ANNUAL & ADD. TASK INSP.
DUE AT	: 600 HOURS
REF	: MP PILATUS PC-6 REV. 02

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



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

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/017-SNC/XII/2022		INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
001	24		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
EMERGENCY BATTERY - OPERATIONAL TEST			
REFERENCE	☐	☒ AMM 24-00-00	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
Performed at A/C TT : A/C TC /LDG :				
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				

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/017-SNC/XII/2022		INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
002	80		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
STARTER GENERATOR - BRUSHES CHECK FOR WEAR			
REFERENCE	☒ MM 80-00-00	☐	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
Performed at A/C TT : A/C TC /LDG :				
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				

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/017-SNC/XII/2022		INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
003	75		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
INSPECTION OF BLEED VALVE - 600 HRS FUNCT. TEST			
REFERENCE	☒ MM 75-30-00	☐	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)	
Performed at A/C TT : A/C TC /LDG :					
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)	
INSPECTION CARD (IC) #					

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/017-SNC/XII/2022		INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
004	73		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
HP FUEL PUMP COUPLING SHAFT CORROSION CHECK			
REFERENCE	☒ MM 73-00-00	☐	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
Performed at A/C TT : A/C TC /LDG :				
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				

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/017-SNC/X/2022		INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
005	73		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
HP FUEL PUMP INLET SCREEN CLEANING			
REFERENCE	☒ MM73-00-00	☐ OTHER	
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)	
Performed at A/C TT : A/C TC /LDG :					
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)	
INSPECTION CARD (IC) #					

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/017-SNC/XII/2022		INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
006	51		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
OPERATIONAL CHECK PROPELLER OVSPEED GOVERNOR			
REFERENCE	☐	☒ MM 61-00-00	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
Performed at A/C TT : A/C TC /LDG :				
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				

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/017-SNC/XII/2022		LUBRICATION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
007	56		
9. ZONE	10. PANEL	-	

11. DESCRIPTION			
EMERGENCY WINDOW LUBRICATION			
REFERENCE	☒ MM 56-00-00	☐	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
Performed at A/C TT : A/C TC /LDG :				
FINDING	☐ Y	☐ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				

13. PARTS REQUIRED				
DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

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

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

WORK ORDER NO.		: WO/018-SNC/X/2022	
Aircraft Registration	PK-SNC	Aircraft Total Hours	
Aircraft Serial No.	1016	Aircraft Total Landings	
Engine Serial No.	PCE-PG0567	Engine TSN / TSO	
Propeller Serial No	FY4989	Propeller TSN / TSO	
Ambient Temp	°C	FBP (Field Barometric Pressure)	In.Hg
Date		Time	
Mechanic / Engineer		Authorized Engineer	
Reason For Ground Run			

Checks to be carried out. No:	1 2 4 5 7 8 9 10 11 12 13 14 15
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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 / Yearly	x	x		x			x	x			x	x	x	x	x
Each 200									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											
Suction Components														x	

Use this sheet's to record engine run result, use in conjunction with task cards.

NO.	CHECK	TARGET	ACTUAL
ENGINE START			
	ITT (Troubleshoot If More Than 925°C)	Max. 1090 °C	°C
	Cabin Heat	OFF	OK?
1	Low Idle (Minimum Governing) Speed	51 - 53 % Ng	% Ng
	Fuel Pressure / Boost Pump OFF	Light out or 25 ± 5 psi	OK?
	ITT		°C
	Oil Pressure		psi
	Oil Temperature		°C
2	Propeller Governor		
	Maximum Np	1980 - 2000 rpm (90.0 - 90.9 %)	rpm
	Py Disconnected		% Ng
	Py Connected		% Ng
	Difference	Maximum 0.3% Ng	%
	Airbleed Link at Minimum	1900 - 1950 rpm (86.4 - 88.6 %)	rpm
3	Aircraft with SB 161:		
	Propeller Control Lever at Minimum	1880 - 1900 rpm (85.5 - 86.4 %)	rpm
	Propeller Fine Pitch Setting (High Idle)		
	Target Torque	psi	psi
	Power Lever to Give Np	1694 rpm (77 %)	rpm
	Basic High Idle	68 - 72% Ng	%Ng
4	Propeller Low Pitch Warning		
	PCL from Reverse to Detent	Light OFF	
		1 to 2 mm before Detent	mm
5	Minimum Pitch in Flight		
	Ng	67 - 73 %	% Ng
	Np	1800 - 1950 rpm (81.8 - 88.6 %)	rpm
	Torque	4 - 7 psi	psi
6	FCU Maximum Governing Speed (Ng)	97.1 % Ng	% Ng
	(Trim stop deployed)		



MAINTENANCE PROGRAM

PILATUS PORTER PC6

Appendix – Engine Ground Run Check Sheet

NO.	CHECK	TARGET	ACTUAL
7	Engine Performance Target Torque Pressure Fuel flow (Actual minus 23 lb / hr or 3.4 gal / hr) Target Ng Maximum ITT	Ref: AMM 71-00-00 psi lb / hr % Ng °C	psi lb / hr % Ng °C
8	Reverse Power Setting Np Torque	1880 - 1925 rpm (85.5 - 87.5 %) psi	rpm 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 %)	rpm rpm
10	Acceleration 64 % – 90 % Ng Deceleration 85% to 60% Ng or low idle speed(Whichever comes first)	2.5 – 4 secs Maximum 6-12 sec (Dependent upon altitude)	secs 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	psi
13	Generator (Ref. 24-30-00)	Online by 60% Ng	% Ng
14	Suction (High Idle)	4.5 – 5.2 in. Hg	in. Hg
15	Engine Rundown Time After Stop	MIN 30 secs	secs
Additional			
	Generator Check (High Idle Under Load)	27.75 – 28.25 VDC	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?



EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR

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

DATE :	A/C REG : PK-SNC
A/C TYPE : PILATUS PORTER PC6	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					



Aircraft Registration: **PK-SNC**

WO# Nr: **WO/017-SNC/XII/2022**

Additional Work Sheet

100 Hours / Annual Inspection

Parts Used Sheet

Special Tool Used

[illegible]



Additional Work Sheet

100 Hours / Annual Inspection

Aircraft Registration: **PK-SNC**

WO# Nr: WO/017-SNC/XII/2022

Parts Used Sheet

Part Used

[illegible]