



**PT. SMART CAKRAWALA AVIATION**

**WORK ORDER**

**Form: SCA/MTC/030**

Subject :	No.	WO/022-PK-SNE/IV/2023
<b>100 Hours / Annual Inspection</b>	Date	4-April-2023
	A/C Reg.	PK-SNE MSN 1017
Reference :	Prepared By	TS
MP PILATUS PC-6 Rev. 04	Checked By	CI
	Approved By	TM

To : Engineer In Charge

**Description :**

1. Perform 100 Hours / Annual Inspection PK-SNE
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)
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**AIRCRAFT CHECK WORK SUMMARY**  
**(Form: SCA/MTC/051)**

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
04-Apr-2023	WO/022-PK-SNE/IV/2023	100H/Annual Inspection	

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	
	#2	-	
Propeller/Rotor	#1	FY5100	
	#2	-	
Landing Gear	NLG		
	LH MLG		
	RH MLG		

**PACKAGE COVERED**

No	Subject	Qty	Remark
1	Non-Routine Card	1	
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	
IC-001					
IC-002					
IC-003					
IC-004					
IC-005					
IC-006					

<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



.....  
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/022-PK-SNE/IV/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX	ENGINE GROUND RUN CHECK SHEET				
2	APPENDIX	100 HOURS / ANNUAL INSPECTION - PILATUS				
3	APPENDIX	FUEL INDICATING SYSTEM - ADJUSTMENT				
4	APPENDIX	FUEL SYSTEM UNDERWING TANK INSPECTION TRANSFER PUMP FILTERS				
5	APPENDIX	WHEEL AND BRAKES INSPECTION				
6	APPENDIX	FUEL DISTRIBUTION SYSTEM – ADJUSTMENT TEST				
7	NRC001	500 HOURS STARTER GENERATOR - LUBRICATION				
8	APPENDIX	1 YEARS EXAMINE - FIRE EXTINGUISHER - EXAMINE INSPECTION  *note : Ref to 100H/Annual Inspection				
9	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-SNE			TCSN	:
MSN	: 1017			DATE	:
TYPE OF INSPECTION		: 100 HOURS / ANNUAL INSPECTION			
DUE AT		: 500.00 H			
REFF		: MP PILATUS PC-6 REV. 04			
EXCEPTION					
<p style="text-align: center;">AUTHORIZED PERSON</p> <p>I hereby certify that this aircraft has been maintained accordance with CASR and Maintenance Program.</p> <p style="text-align: center;">Aircraft safe and airworthy for flight</p>					
NAME	CAT	AMEL/OTR NO	SIGN&STAMP		DATE
	AIRFRAME & POWER PLANT				
	EIRA				
THE NEXT DUE TYPE OF INSPECTION :					
DUE AT :					



**INSPECTION CARD**  
(Form: SCA/MTC/ 048)

TECHNICAL  
DEPARTMENT

1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE
	WO/022-PK-SNE/IV/2023			
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #	
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		
	<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
23. TOOLS REQUIRED						
DESCRIPTION	PART NO. / MODEL		NEXT CALIBRATION DATE	STATUS		



**INSPECTION CARD**  
(Form: SCA/MTC/ 048)

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DEPARTMENT

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DESCRIPTION	PART NO. / MODEL	NEXT CALIBRATION DATE	STATUS



# MAINTENANCE PROGRAM PILATUS PORTER PC6

## Appendix – Engine Ground Run Check Sheet

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

WORK ORDER NO.	WO/022-PK-SNE/IV/2023 :
Aircraft Registration	PK-SNE
Aircraft Serial No.	1017
Engine Serial No.	PCE-PG0568
Propeller Serial No	FY5100
Ambient Temp	°C
Date	FBP (Field Barometric Pressure)
Mechanic / Engineer	In.Hg
Reason For Ground Run	Time
	Authorized Engineer

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															
Compressor Bleed Valve						X	X								
Engine Controls	X		X	X				X	X						
Low Pitch Warning Switch			X												
Suction Components															X



# MAINTENANCE PROGRAM PILATUS PORTER PC6

## Appendix – Engine Ground Run Check Sheet

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

NO.	CHECK	TARGET	ACTUAL
	<b>ENGINE START</b> 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
	Aircraft with SB 161:		
	Propeller Control Lever at Minimum	1880 - 1900 rpm (85.5 - 86.4 %)	rpm
3	Propeller Fine Pitch Setting (High Idle)		
	Target Torque		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) (Trim stop deployed)	97.1 % Ng	% Ng



# 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 0C	psi lb / hr % Ng 0C
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?



## **NON ROUTINE CARD**

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
<b>WO/022-PK-SNE/IV/2023</b>	<b>04-Apr-2023</b>	<b>LUB</b>	<b>PK-SNE/1017</b>
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
<b>001</b>	<b>24</b>		
9. ZONE	10. PANEL	-	

## 11. DESCRIPTION

## 500 HOURS STARTER GENERATOR - LUBRICATION

REFERENCE	<input type="checkbox"/> Engine Maintenance Manual	<input checked="" type="checkbox"/> Maintenance Manual	<input type="checkbox"/> OTHER
RII (*)	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	MHR :

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

### 13. PARTS REQUIRED

#### 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**

<b>DATE :</b>	<b>A/C REG :</b>
<b>A/C TYPE : PK-SNE</b>	<b>CHECKER :</b> <b>SIGN:</b>

<b>No.</b>	<b>Description</b>	<b>P/N</b>	<b>S/N</b>	<b>Next Insp.</b>	<b>Remarks</b>
1	<b>Pilot Life Vest</b>				
2	<b>Co-Pilot Life Vest</b>				
3	<b>Pax Life Vest</b>				
4	<b>Pax Life Vest</b>				
5	<b>Pax Life Vest</b>				
6	<b>Pax Life Vest</b>				
7	<b>Pax Life Vest</b>				
8	<b>Pax Life Vest</b>				
9	<b>Pax Life Vest</b>				
10	<b>Pax Life Vest</b>				
11	<b>Pax Life Vest</b>				
12	<b>Pax Life Vest</b>				
13	<b>Firt Aid Kit</b>				
14	<b>Crash Axe Installed</b>				
15	<b>Fire Extinguisher</b>				
16	<b>Life Raft (If Installed)</b>				
17	<b>Survival Kit (If Installed)</b>				
<b>OTHERS</b>					



Aircraft Registration: **PK-SNE**

WO# Nr: **WO/022-PK-SNE/IV/2023**



## **Additional Work Sheet**

### **100 Hours / Annual Inspection**

## Parts Used Sheet

## Material Used



Aircraft Registration: **PK-SNE**

WO# Nr: **WO/022-PK-SNE/IV/2023**



## **Additional Work Sheet**

### **100 Hours / Annual Inspection**

## Parts Used Sheet

## Part Used



Aircraft Registration: **PK-SNE**

WO# Nr: **WO/022-PK-SNE/IV/2023**



## **Additional Work Sheet**

### **100 Hours / Annual Inspection**

## Parts Used Sheet

## Special Tool Used



Aircraft Registration: **PK-SNE**

WO# Nr: **WO/022-PK-SNE/IV/2023**



## **Additional Work Sheet**

### **100 Hours / Annual Inspection**

## Parts Used Sheet

## Part Used