



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : 100 Hours / Annual Inspection	No.	WO/022-PK-SNE/IV/2023
	Date	4-April-2023
	A/C Reg.	PK-SNE MSN 1017
Reference : MP PILATUS PC-6 Rev. 04	Prepared By	TS
	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 CARRIED OUT	Sign & Date 22-04-2023 Company Lic. No.: SCA 11  (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	
04-Apr-2023	WO/022-PK-SNE/IV/2023	100H/Annual Inspection	26-APR-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	499:16 / 716	
	#2	-		
Propeller/Rotor	#1	FY5100	499:16 / 716	
	#2	-		
Landing Gear	T MLG		499:16 / 716	
	LH MLG		499:16 / 716	
	RH MLG		499:16 / 716	
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 Open Close	Name/ Sign & Stamp
<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/022-PK-SNE/IV/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX	ENGINE GROUND RUN CHECK SHEET	26/04-23		NINDOY	
2	APPENDIX	100 HOURS / ANNUAL INSPECTION - PILATUS	26/04-23		NINDO	
3	APPENDIX	FUEL INDICATING SYSTEM - ADJUSTMENT	26/04-23		NINDO	
4	APPENDIX	FUEL SYSTEM UNDERWING TANK INSPECTION TRANSFER PUMP FILTERS	26/04-23		NINDO	
5	APPENDIX	WHEEL AND BRAKES INSPECTION	22/04-23		NINDO	
6	APPENDIX	FUEL DISTRIBUTION SYSTEM - ADJUSTMENT TEST	26/04-23		NINDO	
7	NRC001	500 HOURS STARTER GENERATOR - LUBRICATION	25/04-23		NINDO	
8	APPENDIX	1 YEARS EXAMINE - FIRE EXTINGUISHER - EXAMINE INSPECTION *note : Ref to 100H/Annual Inspection	26/04-23		NINDO	
9	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	26/04-23		NINDO	



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : PILATUS PORTER PC-6	TTSN : 499:16
A/C REG : PK-SNE	TCSN : 716
MSN : 1017	DATE : 26-04-2023

TYPE OF INSPECTION : 100 HOURS / ANNUAL INSPECTION

DUE AT : 500:00 H

REF : MP PILATUS PC-6 REV. 04

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
ROHPININDO, N.S.P	AIRFRAME & POWER PLANT	9634/SCA11	 	26/04-2023
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 100 HRS INSP

DUE AT : 600:00

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/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	15
	PPC/ENG	DATE

16. CORRECTIVE ACTION	17	18	19
	MECH	ENG. LIC	DATE
Performed at A/C TT : A/C TC /LDG :			

20. CORROSION INFORMATION			
LOCATION	CAUSE OF DAMAGE		
	☐ Environment		
	☐ Internal Leakage		
	☐ Chemical Spill		
CORROSION ☐ Isolated ☐ Widespread	☐ LAV/Galley Spill		
CORROSION LVL ☐ 1 ☐ 2 ☐ 3	☐ Blocked Drain		
PROPOSED ACTION ☐ Doublers	☐ Wet Insulation Blanket		
☐ Others	☐ 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)	TECHNICAL DEPARTMENT
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CORROSION LVL ☐ 1 ☐ 2 ☐ 3	☐ LAV/Galley Spill				
PROPOSED ACTION ☐ Doublers	☐ Blocked Drain				
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PART DESCRIPTION	PART NO	QTY	SERIAL NO		STATUS	
			ON	OFF	CLOSE	OPEN

23. 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/022-PK-SNE/IV/2023 :	
Aircraft Registration	PK-SNE
Aircraft Serial No.	1017
Engine Serial No.	PCE-PG0568
Propeller Serial No	FY5100
Ambient Temp	33 °C
Date	26-APR-2023
Mechanic / Engineer	DEJAR
Reason For Ground Run	
Aircraft Total Hours	499:55 16
Aircraft Total Landings	716
Engine TSN / TSO	499:16/
Propeller TSN / TSO	499:16
FBP (Field Barometric Pressure)	29.92 In.Hg
Time	05:00
Authorized Engineer	ROHPININDO

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	576 °C
	Cabin Heat	OFF	✓ OK?
①	Low Idle (Minimum Governing) Speed	51 - 53 % Ng	51.6 % Ng
	Fuel Pressure / Boost Pump OFF	Light out or 25 ± 5 psi	✓ OK?
	ITT		552 °C
	Oil Pressure		89 psi
	Oil Temperature		60 °C
②	Propeller Governor		
	Maximum Np	1980 - 2000 rpm (90.0 - 90.9 %)	1990 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 %)	1880 rpm
3	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	1 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 41 psi 325 lb / hr 95.2 % Ng 698 °C	41 psi 306 lb / hr 94.6 % Ng 616 °C
8	Reverse Power Setting Np Torque	1880 - 1925 rpm (85.5 - 87.5 %) psi	1880 rpm 20 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 %)	1900 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)
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	70 % Ng
14	Suction (High Idle)	4.5 – 5.2 in. Hg	in. Hg
15	Engine Rundown Time After Stop	MIN 30 secs	35 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
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DATE : 26-04-2023	A/C REG : PK-SNE
A/C TYPE : PK-SNE PC-6/B2-H4	CHECKER : RHPININD6 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		4110820E	AUG 2023	Good
14	Crash Axe Installed	—	—	—	INSTALLED
15	Fire Extinguisher	BASIO15R-53	120655	FEB 2024	GOOD
16	Life Raft (If Installed)	—	—	—	—
17	Survival Kit (If Installed)	63026-101	182347	JULY 2023	Good
OTHERS					
18	FLASH LIGHT	LOCAL	—	—	Good



SmartAutomation

Additional Work Sheet

100 Hours / Annual Inspection

WO # NR:
WO/022-PK-SNE/IV/2023

Parts Used Sheet _____

[illegible]



Aircraft Registration: **PK-SNE**

WO# NF:
WO/022-PK-SNE/IV/2023

Parts Used Sheet

[illegible]



Parts Used Sheet

WO/022-PK-SNE/IV/2023

[illegible]



Additional Work Sheet 100 Hours / Annual Inspection

WO# NR:
WO/022-PK-SNE/IV/2023

Parts Used Sheet

[illegible]