



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : 100 Hours / Annual Inspection	No.	WO/002-PK-SND/IV/2023
	Date	4-April-2023
	A/C Reg.	PK-SND MSN 1018
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-SND 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 14/05/2023 Company Lic. No.: SCA11 (Engineer In Charge)	Signature (Technical Manager)

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

DATE OF ISSUED	JOWO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
04-Apr-2023	WO/002-PK-SND/IV/2023	100H/Annual Inspection	14-MAY-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	98:23 / 73		
	#2	-			
Propeller/Rotor	#1	FY5110	98:23 / 73		
	#2	-			
Landing Gear	TLG NLG		98:23 / 73		
	LH MLG		98:23 / 73		
	RH MLG		98:23 / 73		
PACKAGE COVERED					
No	Subject	Qty	Remark		
1	Non-Routine Card	-			
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

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/002-PK-SND/IV/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX	ENGINE GROUND RUN CHECK SHEET	14/05-23		NINDO	11
2	APPENDIX	100 HOURS / ANNUAL INSPECTION - PILATUS	14/05-23		NINDO	11
3	APPENDIX	FUEL INDICATING SYSTEM - ADJUSTMENT TEST	10/05-23		NINDO	11
4	APPENDIX	FUEL SYSTEM UNDERWING TANK INSPECTION	19/05-23		NINDO	11
5	APPENDIX	FUEL SYSTEM UNDERWING TANK INSPECTION TRANSFER PUMP FILTERS	16/05-23		NINDO	11
6	APPENDIX	WHEEL AND BRAKES INSPECTION	13/05-23		NINDO	11
7	APPENDIX	FUEL DISTRIBUTION SYSTEM - ADJUSTMENT TEST	10/05-23		NINDO	11
8	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	14/05-23		NINDO	11



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE
SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE : PILATUS PORTER PC-6
A/C REG : PK-SND
MSN : 1018
TTSN : 98:23
TCSN : 73 CYL
DATE : 14-05-2023

TYPE OF INSPECTION : 100 HOURS / ANNUAL INSPECTION
DUE AT : 100:00 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/SCAII		14/05-2023
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 100 HRS INSP
DUE AT : 200HRS

Form: SCA/MTC/049

MAINTENANCE PROGRAM PILATUS PORTER PC6

Appendix – Engine Ground Run Check Sheet

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

WORK ORDER NO. WO/002-PK-SND/IV/2023 :			
Aircraft Registration	PK-SND	Aircraft Total Hours	98:23
Aircraft Serial No.	1018	Aircraft Total Landings	73 CX
Engine Serial No.	PCE-PG0569	Engine TSN / TSO	98:23 /
Propeller Serial No	FY5110	Propeller TSN / TSO	98:23 /
Ambient Temp	38 °C	FBP (Field Barometric Pressure)	29.61 In.Hg
Date	14/05/2023	Time	05:30 UTC
Mechanic / Engineer	AZ12-A	Authorized Engineer	RUPANIN DO
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	553 °C
	Cabin Heat	OFF	✓ OK?
1	Low Idle (Minimum Governing) Speed	51 - 53 % Ng	53.5 % Ng
	Fuel Pressure / Boost Pump OFF	Light out or 25 ± 5 psi	OK?
	ITT		541 °C
	Oil Pressure		91 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 %)	1790 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	2 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 314 lb / hr 95.8 % Ng 710 °C	41 psi 320 lb / hr 94.9 % Ng 616 °C
8	Reverse Power Setting Np Torque	1880 - 1925 rpm (85.5 - 87.5 %) psi	1730 rpm 20.5 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 %)	1730 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	88 psi
13	Generator (Ref. 24-30-00)	Online by 60% Ng	60.6 % Ng
14	Suction (High Idle)	4.5 – 5.2 in. Hg	in. Hg
15	Engine Rundown Time After Stop	MIN 30 secs	30 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?



EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR

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

DATE : 14/05/2023

A/C REG : PK-SND

A/C TYPE : PK-SNE

CHECKER : AHPININDO

SIGN:

[Signature]

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	-	LT 110820 A.	MARCH 2024	GOOD
14	Crash Axe Installed	NPN	N5N	MARCH 2024	GOOD
15	Fire Extinguisher	BAS1015R-5	120611	MARCH 2024	GOOD
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)				
OTHERS					



WO/002-PK-SND/IV/2023

Parts Used Sheet

[illegible]



WO # N°: WO/002-PK-SND/IV/2023

Additional Work Sheet
100 Hours / Annual Inspection
Parts Used Sheet _____

Parts Used Sheet

WO# NR: WO/002-FK-SMC/201

Part Used

[illegible]

