



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Inspection 100 Hours / Annual and Add Task	No.	WO/031-PK-SNC/VIII/2023
	Date	26 August 2023
	A/C Reg.	PK-SNC MSN 1016
Reference : MP Pilatus PC-6 Issued 01. Rev. 00	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

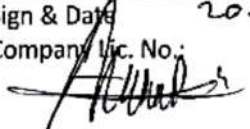
Description :

1. Perform Inspection 100 Hours / Annual and Add Task Insp.
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 :

-NIL-

Compliance Statement NEXT INSPECTION 100 HOURS CARRY OUT @ 978:07 HRS	Sign & Date Company Lic. No.  (Engineer In Charge) ARS KURMAWAN	20-SEP-2023  Signature  (Technical Manager)
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SUMMARY INSPECTION ITEMS (Form: SCA/MTC/050)

WO Ref: WO/031-PK-SNC/VIII/2023

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX	ENGINE GROUND RUN CHECK SHEET	20/03-23	3 HRS	ARIS	
2	APPENDIX	100 HOURS / ANNUAL INSPECTION	20/03-23	120 H	ARIS	
3	APPENDIX	FUEL DISTRIBUTION SYSTEM - ADJUSTMENT TEST	18/03-23	30 MTS	ARIS	
4	APPENDIX	FUEL INDICATING SYSTEM - ADJUSTMENT	18/03-23	15 MTS	ARIS	
5	APPENDIX	FUEL SYSTEM UNDERWING TANK INSPECTION TRANSFER PUMP FILTERS	18/03-23	20 MTS	ARIS	
6	APPENDIX	WHEEL AND BRAKES INSPECTION	16/03-23	2 HRS	ARIS	
7	APPENDIX	AGB INLET SCREEN INSPECTION	18/03-23	1 HRS	ARIS	
8	NRC-001	PERFORM EMERGENCY WINDOWS - LUBRICATION	19/03-23	15 MTS	ARIS	
9	NRC-002	STARTER GENERATOR - BRUSHES CHECK FOR WEAR	17/03-23	2 HRS	ARIS	
10	NRC-003	EMERGENCY BATTERY - OPERATIONAL TEST	18/03-23	35 MTS	ARIS	
11	NRC-004	HAWKER LEAD ACID BATTERY CAPACITY TEST	18/03-23	4 HRS	ARIS	
12	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	20/03-23	10 MTS	ARIS	

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED		
26-AUGUST-2023	WO/031-SNC/VIII/2023	Inspection 100 Hrs / Annual	20-SEPTEMBER-2023		
A/C Type		Mfg. Serial Number	A/C Registration		
PILATUS PORTER PC-6		1016	PK-SNC		
AIRCRAFT DATA					
Subject	Pos #	Serial Number (SN)	TTSN/TCSN		
Engine	#1	PCE-PG0567	878:07 / 1587		
	#2	-			
Propeller/Rotor	#1	FY4989	878:07 / 1587		
	#2	-			
Landing Gear	MLG		878:07 / 1587		
	LH MLG		878:07 / 1587		
	RH MLG		878:07 / 1587		
PACKAGE COVERED					
No	Subject	Qty	Remark		
1	Non-Routine Card	4			
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>					



PT. SMART CAKRAWALA AVIATION

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

A/C TYPE	: PILATUS PORTER PC-6	TTSN	: 878:07
A/C REG	: PK-SNC	TCSN	: 1587
MSN	: 1016	DATE	: 20/09-2023

TYPE OF INSPECTION : INSPECTION 100 HOURS / ANNUAL & ADD. TASK INSP.
DUE AT : 900 HOURS
REF : MP Pilatus PC-6 Issued 01. Rev. 00

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
Arus KURNIAWAN	AIRFRAME & POWER PLANT	9523 / SCA29		20 / SEP-23
	EIRA			

THE NEXT DUE TYPE OF INSPECTION : 120 HOURS INSPECTION / ANNUAL

DUE AT : 978:07

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/031-SNC/III/2022				
6. A/C REG/MSN	7. A/C TYPE	8. TRADE	12. VENDOR ORDER #		
PK-SNC / 1016	Pilatus				
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		
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

23. 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/031-PK-SNC/MII/2023	26 August 2023	INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
01	56	AIRFRAME	NABIRE
9. ZONE	10. PANEL		
FUELLAGE			

11. DESCRIPTION			
PERFORM EMERGENCY WINDOWS - LUBRICATION			
REFERENCE	☐	☒ AMM Ch. 56-10-01	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
*PERFORMED EMERGENCY WINDOW LUBRICATION				
Performed at A/C TT : 078:07 A/C TC /LDG : 1587				
FINDING	☐ Y	☒ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #		18	SEP	2023

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/031-PK-SNC/VIII/2023	26 August 2023	CHECK	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
02	24	POWER PLANE	NBX
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 FOR WEAR CHECK FOUND BRUSH LIFE 20% AND REMAINING HO URS BRUSH LIFE 200Hrs PLEASE CHECK ON THE NEXT INSPECTION.

Performed at A/C TT: 078:07 A/C TC/LDG: 1582

FINDING	☐ Y	☐ N	ACT MHR:	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #				17 SEPT 2023

13. PARTS REQUIRED

DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

14. TOOLS REQUIRED

DESCRIPTION	PART NO / MODEL	NEXT CALIBRATION DATE	STATUS
VERNIER CALIPER			



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

1. JO/WO #	2. DATE	3. MTC TYPE	4. A/C REG/MSN
WO/031-PK-SNC/VIII/2023	26 August 2023	INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
03	72	AVIONIC	NABRE
9. ZONE	10. PANEL		
Cock Pit			

11. DESCRIPTION			
EMERGENCY BATTERY - OPERATIONAL TEST			
REFERENCE	☐	☒ EMM 72-30-00	☐ OTHER
RII (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
PERFORMED EMERGENCY BATTERY OPERATIONAL TEST FOUND GREEN LIGHT APPEAR ON THE OPS TEST BUTTON Performed at A/C TT : 078:07 A/C TC/LDG : 1582				
FINDING	☐ Y ☐ N	ACT MHR :		DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #		10	SEP	2023

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/031-PK-SNC/VIII/2023	26 August 2023	INSPECTION TEST	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
04	24		
9. ZONE	10. PANEL		

11. DESCRIPTION			
HAWKER LEAD ACID BATTERY CAPACITY TEST			
REFERENCE	☐ COMPONENT MANUAL	☒ CMM 24-32-11	☐ OTHER
RII (*)	☐ Y	☒ N	MHR:

12. RESULT		MECH	ENG	INSP (*)
PERFORMED HAWKER LEAD ACID BATTERY CAPACITY TEST FOUND 91.5 %.			 #9657.	
Performed at A/C TT: 878:07 A/C TC/LDG: 1587				
FINDING	☐ Y ☐ N	ACT MHR:	DATE/TIME (DD/MM/YY)	
INSPECTION CARD (IC) #		18	SEP	2023

13. PARTS REQUIRED				
DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS

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



Aircraft Registration: **PK-SNC**

WO# Nr:

WO/031-PK-SNC/VIII/2023

Parts Used Sheet

[illegible]



WO# Nr:

WO/031-PK-SNC/MII/2023

Parts Used Sheet

Additional Work Sheet
100 Hours / Annual Inspection

Date	Part No.	Serial No.	Description	Quantity	Engineer
16/SEP-2023	AS3204-143	NSN	PACKING RING	1 EA	ARIS
16/SEP-2023	AS3203-120	NSN	PACKING RING	1 EA	ARIS
16/SEP-2023	AS3203-224	NSN	PACKING RING	1 EA	ARIS
16/SEP-2023	M83485-1-212	NSN	PACKING RING	1 EA	ARIS
16/08-2023	M23588/1-316	NSN	PACKING RING	1 EA	ARIS
16/03-23	M23588/1-328	NSN	PACKING RING	1 EA	ARIS
16/03-23	AS3203-126	NSN	PACKING RING	1 EA	ARIS
16/03-23	AS3203-015	NSN	PACKING RING	1 EA	ARIS
16/03-23	AN6235-3A	NSN	FUEL FILTER ELEMENT	1 EA	ARIS
16/03-23	M53308-115	NSN	O-RING	1 EA	ARIS
16/03-23	3010680	NSN	GASKET	2 EA	ARIS
16/03-23	346.43.00.005	NSN	GASKET	1 EA	ARIS
16/03-2023	368.35.21.110	NSN	GASKET	1 EA	ARIS
16/03-2023	368.35.21.107	NSN	GASKET	1 EA	ARIS
16/03-2023	346.31.27.204	NSN	O-RING	1 EA	ARIS
16/03-2023	346.31.27.335	NSN	PACKING	2 EA	ARIS
16/03-2023	330.17.02.501	NSN	COTON PIN	2 EA	ARIS
16/03-2023	340.17.02.283	NSN	COTON PIN	2 EA	ARIS

	EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR	PT. SMART CAKRAWALA AVIATION DEPARTMENT TEKNIK Form: SCA/MTC/023
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DATE : 20/09-2023	A/C REG : PK-SNC
A/C TYPE : PILATUS PORTER PC6	CHECKER : Agus-U SIGN: 

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	P01074-101W	17060500025	4-11-23	SERVICEABLE
2	Co-Pilot Life Vest	021343-145	L849507	4-11-23	SERVICEABLE
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.IDE.A.145	LI110820D	31-AUG-24	SERVICEABLE
14	Crash Axe Installed	9078371.112	NSW	-	SERVICEABLE
15	Fire Extinguisher	BAS1015R-5	119259	4-NOV-23	SERVICEABLE
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)	10001-1	NSW	APRIL-2024	SERVICEABLE
OTHERS					
	FLASH LIGHT	LOCAL	NSW	OC	GOOD



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/031-SNC/VIII/2023	
Aircraft Registration	PK-SNC	Aircraft Total Hours	078:07
Aircraft Serial No.	1016	Aircraft Total Landings	1507
Engine Serial No.	PCE-PG0567	Engine TSN / TSO	078:07
Propeller Serial No	FY4384	Propeller TSN / TSO	078:07
Ambient Temp	31 °C	FBP (Field Barometric Pressure)	29.80 In.Hg
Date	20/SEP/23	Time	02:15 LT
Mechanic / Engineer	DENIAR.F	Authorized Engineer	ARIS.K
Reason For Ground Run		AFTER MAINTENANCE 100 Hours INSPECTION	

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 addition 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	



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
ENGINE START			
	ITT (Troubleshoot If More Than 925°C)	Max. 1090 °C	586 °C
	Cabin Heat	OFF	✓ OK?
1	Low Idle (Minimum Governing) Speed	51 - 53 % Ng	51.7 % Ng
	Fuel Pressure / Boost Pump OFF	Light out or 25 ± 5 psi	✓ OK?
	ITT		517 °C
	Oil Pressure		32 psi
	Oil Temperature		40 °C
2	Propeller Governor		
	Maximum Np	1980 - 2000 rpm (90.0 - 90.9 %)	1900 rpm
	Py Disconnected		88 % Ng
	Py Connected		88.2 % Ng
	Difference	Maximum 0.3% Ng	0.2 %
	Airbleed Link at Minimum	1900 - 1950 rpm (86.4 - 88.6 %)	1948 rpm
3	Aircraft with SB 161:		
	Propeller Control Lever at Minimum	1880 - 1900 rpm (85.5 - 86.4 %)	1889 rpm
	Propeller Fine Pitch Setting (High Idle)		
	Target Torque	psi	psi
4	Power Lever to Give Np	1694 rpm (77 %)	rpm
	Basic High Idle	68 - 72% Ng	%Ng
5	Propeller Low Pitch Warning		
	PCL from Reverse to Detent	Light OFF	
6	Minimum Pitch in Flight		
	Ng	67 - 73 %	% Ng
	Np	1800 - 1950 rpm (81.8 - 88.6 %)	rpm
7	Torque	4 - 7 psi	psi
8	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 40.8 psi 315 lb / hr 95 % Ng 693 °C	40.8 psi 320 lb / hr 94.1 % Ng 585 °C
8	Reverse Power Setting Np Torque	1880 - 1925 rpm (85.5 - 87.5 %) psi	1880 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 %)	1880 rpm 1987 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	88 psi
13	Generator (Ref. 24-30-00)	Online by 60% Ng	59.6 % Ng
14	Suction (High Idle)	4.5 – 5.2 in. Hg	N/A 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	28.0 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?