



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject :	No.	WO/017-SNC/XII/2022
Inspection 100 Hours / Annual and Add Task	Date	30 Dec 2022
Insp. Due at 600 FH.	A/C Reg.	PK-SNC MSN 1016
Reference :	Prepared By	TS
MP PILATUS PC-6 Rev. 02	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

Carried out

Sign & Date
Company Lic. No.: SCA 27
21/12/2023
(Engineer In Charge) 01

Signature

(Technical Manager)



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	21/23 01		Wahyono	
2	APPENDIX	100 HOURS / ANNUAL INSPECTION	21/23 01		Wahyono	
3	APPENDIX	FUEL DISTRIBUTION SYSTEM - ADJUSTMENT TEST	21/23 01		Wahyono	
4	APPENDIX	FUEL INDICATING SYSTEM - ADJUSTMENT	21/23 01		Wahyono	
5	APPENDIX	FUEL SYSTEM UNDERWING TANK INSPECTION TRANSFER PUMP FILTERS	21/23 01		Wahyono	
6	APPENDIX	WHEEL AND BRAKES INSPECTION	21 JAN 2023		ABUS SULAIMAN	
7	NRC-001	3M-OPS TEST EMERGENCY BATTERY	21/23 01		Wahyono	
8	NRC-002	200HRS STARGEN BRUSH CHECK	21/23 01		Wahyono	
9	NRC-003	BLEED VALVE INSPECTION	21/23 01		Wahyono	
10	NRC-004	HP FUEL PUMP COUPLING CORROSION CHECK	21/23 01		Wahyono	
11	NRC-005	HP FUEL INLET SCREEN CLEANING	21/23 01		Wahyono	
12	NRC-006	PROP. GOV. OVSPEED OPS. CHECK	21 JAN 2023	1 MHR	ABUS SULAIMAN	
13	NRC-007	300 HRS/1 YR EMERG. WINDOW LUB.	21/23 01		Wahyono	
14	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	21/23 01		Wahyono	



PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : PILATUS PORTER PC-6	TTSN : 596.43
A/C REG : PK-SNC	TCSN : 1032
MSN : 1016	DATE : 21-01-2023
TYPE OF INSPECTION : INSPECTION 100 HOURS / ANNUAL & ADD. TASK INSP.	
DUE AT : 600 HOURS	
REFF : MP PILATUS PC-6 REV. 02	
EXCEPTION	

NO 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
WAHYONO	AIRFRAME & POWER PLANT	5192/2023		21/01/2023
	EIRA			01

THE NEXT DUE TYPE OF INSPECTION : Inspection 100 Hrs.

DUE AT : 700 H

Form: SCA/MTC/049

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.	21 JAN 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	596: 43 / 1032		
	#2	-			
Propeller/Rotor	#1	FY4989	596: 43		
	#2	-			
Landing Gear	NLG		596: 43		
	LH MLG		596: 43		
	RH MLG		596: 43		
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	
IC-001	NIL	NIL			NIL
IC-002					
IC-003					
IC-004					
IC-005					
IC-006					

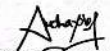
<u>IC-007</u>					
<u>IC-008</u>					
<u>IC-009</u>					
<u>IC-010</u>					
<u>IC-011</u>					
<u>IC-012</u>					
<u>IC-013</u>					
<u>IC-014</u>					
<u>IC-015</u>					

Prepared by :
Technical Support

Checked by :
Chief Maintenance

Verified by :
Chief Inspector

Approved by :
Technical Manager


.....
Hani


.....
Dodit


.....
Yanuar


.....
Isbano



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	21 -01- 2023	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
R11 (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
6000.			6000	
Performed at A/C TT : 596.43		A/C TC /LDG : 103.2		
FINDING	☐ Y	☒ N	ACT MHR :	
INSPECTION CARD (IC) #		21	01	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/017-SNC/XII/2022	21 - 01 - 2023	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
Rtl (*)	☐ Y	☒ N	MHR:

12. RESULT		MECH	ENG	INSP (*)
6002.			6002	
Performed at A/C TT : 596:43		A/C TC /LDG : 1032		
FINDING	☐ Y	☒ N	ACT MHR :	
INSPECTION CARD (IC) #		21	01	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/017-SNC/XIV/2022	21 - 01 - 2023	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
Rtl (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
<i>Good.</i> Performed at A/C TT : <u>596:43</u> A/C TC /LDG : <u>1032</u>			<i>[Signature]</i>	
FINDING	☐ Y	☒ N	ACT MHR :	
INSPECTION CARD (IC) #			DATE/TIME (DD/MM/YY)	
			21	01 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/017-SNC/XII/2022	21-01-2023.	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
R/II (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
Good.			CEP	
Performed at A/C TT : 596:43 A/C TC /LDG : 1032				
FINDING	☐ Y	☒ N	ACT MHR :	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #			21	01 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/017-SNC/X/2022	21-01-2023	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
R/II (*)	☐ Y	☒ N	MHR :

12. RESULT		MECH	ENG	INSP (*)
Good.			Box	
Performed at A/C TT : 596-43 A/C TC/LDG : 1032				
FINDING	☐ Y	☒ N	ACT MHR :	
INSPECTION CARD (IC) #		DATE/TIME (DD/MM/YY)		
		21	01	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/017-SNC/XII/2022	21-01-2023	INSPECTION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
008	51	ENGINE	FS 1000
9. ZONE	10. PANEL		
NOSE / ENGINE			

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

12. RESULT		MECH	ENG	INSP (*)
PERFORMED CHECK PROP OVSPEED GOVERNOR • RESULT GOOD PARAMETER Performed at A/C TT : 596:43 A/C TC /LDG : 1032				
FINDING	☐ Y	☒ N	ACT MHR :	
INSPECTION CARD (IC) #			DATE/TIME (DD/MM/YY)	
			21	01 2023

13. PARTS REQUIRED				
DESCRIPTION	PART NO	QTY	REMARK	
			STOCK	STATUS
N/A				

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



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	21-03-2023	LUBRICATION	PK-SNC/1016
5. CARD #	6. ATA SPEC	7. TRADE	8. STA
007	58		
9. ZONE	10. PANEL		

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

12. RESULT		MECH	ENG	INSP (*)
Good			68	
Performed at A/C TT: 596:43 A/C TC/LDG: 1032				
FINDING	☐ Y	☒ N	ACT MHR:	DATE/TIME (DD/MM/YY)
INSPECTION CARD (IC) #		21	01	2023

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	596:43
Aircraft Serial No.	1016	Aircraft Total Landings	1032
Engine Serial No.	PCE-PG0567	Engine TSN / TSO	596:43
Propeller Serial No	FY4989	Propeller TSN / TSO	596:43
Ambient Temp	33 °C	FBP (Field Barometric Pressure)	1011 HPA In.Hg
Date	21	Time	03:50
Mechanic / Engineer	Agus Sulaeman	Authorized Engineer	Agus Sulaeman
Reason For Ground Run		100 HRS DUE AT 600 HRS	

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	

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	575 °C
	Cabin Heat	OFF	✓ OK?
1	Low Idle (Minimum Governing) Speed	51 - 53 % Ng	52 % Ng
	Fuel Pressure / Boost Pump OFF	Light out or 25 ± 5 psi	✓ OK?
	ITT		536 °C
	Oil Pressure		88 psi
	Oil Temperature		64 °C
2	Propeller Governor		
	Maximum Np	1980 - 2000 rpm (90.0 - 90.9 %)	2000 rpm
	Py Disconnected		90.5 % Ng
	Py Connected		90.4 % Ng
	Difference	Maximum 0.3% Ng	0.1 %
	Airbleed Link at Minimum	1900 - 1950 rpm (86.4 - 88.6 %)	1930 rpm
	Aircraft with SB 161:		
	Propeller Control Lever at Minimum	1880 - 1900 rpm (85.5 - 86.4 %)	1890 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)	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 41 psi 324 lb/hr 95.6 % Ng 706 °C	41. psi 51 GPH lb/hr 94.4 % Ng 605 °C 315 lb/hr 47.6 GPH
8	Reverse Power Setting Np Torque	1880 - 1925 rpm (85.5 - 87.5 %) psi	1890 rpm 23.9 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 2000 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	90 psi
13	Generator (Ref. 24-30-00)	Online by 60% Ng	60 % Ng
14	Suction (High Idle)	4.5 – 5.2 in. Hg	N/A in. Hg
15	Engine Rundown Time After Stop	MIN 30 secs	36 secs
Additional			
Generator Check (High Idle Under Load)		27.75 – 28.25 VDC	28.2 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 : 21 Jan 2023	A/C REG : PK-SNC	
A/C TYPE : PILATUS PORTER PC6	CHECKER : Wahyono	SIGN :

No.	Description	P/N	S/N	Next Insp.	Remarks
1	Pilot Life Vest	D21343-195	L 849509	Nov 2023	Good
2	Co-Pilot Life Vest	P01074-101W	17060500025	Nov 2023	Good
3	Pax Life Vest	S	S	S	S
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	-	L1 110820D	AUG 2023	Good
14	Crash Axe Installed	-	-	-	
15	Fire Extinguisher	BA51015R-5	11 9254	Nov 2023	Good
16	Life Raft (If Installed)				
17	Survival Kit (If Installed)	-	NSN	April 2024	Good
OTHERS					



Additional Work Sheet
100 Hours / Annual Inspection

Aircraft Registration: **PK-SNC**

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

Parts Used Sheet

[illegible]



Additional Work Sheet
100 Hours / Annual Inspection

Aircraft Registration: **PK-SNC**

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

Parts Used Sheet

Date	Part No.	Serial No.	Part Used	Description	Quantity	Engineer
21 Jan 2023	AN 6325-3A	-		after fuel filter	1	Wahyono
	M 25988/1-212	-		O-ring	1	
	M 25988/1-916	-		O-ring	1	
	M 25988/1-928	-		O-ring	1	
	AS 3209-924	-		O-ring	1	
	AS 3209-143	-		O-ring	1	
	AS 3209-120	-		O-ring	1	
	AS 3209-015	-		O-ring	1	
	AS 3209-126	-		O-ring	1	
	AS 3209-115	-		O-ring	1	
	3210840	-		Gasket Isitler	2	
	946.93.00.005	-		Gasket Cap Shock Shot	2	
	968.35.21.110	-		Gasket	1	
	968.35.21.107	-		Gasket	1	
	946.91.27.204	-		Gasket	1	
	946.91.27.335	-		Gasket	1	
	340.17.02.501	-		Packing	2	
	940.17.02.283	-		Washer Pin	2	
	940.17.02.453	-		Washer Pin	2	
	940.17.02.262	-		Washer Pin	2	
21 Jan 2023						Wahyono