PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : **Inspection 100 Hours / Annual Due at 300 FH.**	No.	WO/007-SNC/III/2022
	Date	10-Mar-2022
	A/C Reg.	PK-SNC MSN 1016
Reference : MP PILATUS PC-6 Rev. 01	Prepared By	TS
	Checked By	CI
	Approved By	TM

To : Engineer In Charge

Description :

1. Perform Inspection 100 Hours / Annual Due at 300 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 :

— NIL —

Compliance Statement	Sign & Date	Signature
	Company Lic. No.: 15/ 2022 APRIL (Engineer In Charge) FEBRI HERMAWAN	Istiono (Technical Manager)

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

DATE OF ISSUED	JO/WO #	TYPE OF MAINTENANCE	DATE OF ACCOMPLISHED
10-Mar-2022	WO/007-SNC/III/2022	Inspection 100 Hrs / Annual	17- APRIL - 2022

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	292:58 / 419
	#2	-	
Propeller/Rotor	#1	FY4989	292:58 / 419
	#2	-	
Landing Gear	TAIL MLG		292:58 / 419
	LH MLG		292:58 / 419
	RH MLG		292:58 / 419

PACKAGE COVERED

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

IC-007					
IC-008					
IC-009					
IC-010					
IC-011					
IC-012					
IC-013					
IC-014					
IC-015					

Prepared by :	Checked by :	Verified by :	Approved by :
Technical Support	Chief Maintenance	Chief Inspector	Technical Manager
Dwi M	Dodit	Yanuar	Istiono

smartaviation

SUMMARY INSPECTION ITEMS
(Form: SCA/MTC/050)

WO Ref: WO/007-SNC/III/2022

NO.	TASK CARD NO.	DESCRIPTION	DATE	EST MHR	NAME	STAMP
1	APPENDIX	ENGINE GROUND RUN CHECK SHEET	17/2022 APRIL		FEBRI HERMAWAN	
2	APPENDIX	100 HOURS / ANNUAL INSPECTION	17/2022 APRIL		FEBRI HERMAWAN	
3	APPENDIX	FUEL DISTRIBUTION SYSTEM – ADJUSTMENT TEST	16/2022 APRIL		FEBRI HERMAWAN	
4	APPENDIX	FUEL INDICATING SYSTEM – ADJUSTMENT	16/2022 APRIL		FEBRI HERMAWAN	
5	APPENDIX	FUEL SYSTEM UNDERWING TANK INSPECTION TRANSFER PUMP FILTERS	17/2022 APRIL		FEBRI HERMAWAN	
6	APPENDIX	WHEEL AND BRAKES INSPECTION	17/2022 APRIL		FEBRI HERMAWAN	
7	NRC-001	EMERGENCY BATTERY – OPERATIONAL TEST	17/2022 APRIL		FEBRI HERMAWAN	
8	NRC-002	LEFT & RIGHT WING STRUT FITTING – VISUAL INSPECTION	15/2022 APRIL		FEBRI HERMAWAN	
9	NRC-003	EMERGENCY WINDOWS- LUBRICATION	16/2022 APRIL		FEBRI HERMAWAN	
10	SCA/MTC/023	EMERGENCY EQUIPMENT CHECK	17/2022 APRIL		FEBRI HERMAWAN	

PT. SMART CAKRAWALA AVIATION

CERTIFICATE RETURN TO SERVICE

SCHEDULED MAINTENANCE INSPECTION
(CRS-SMI)

A/C TYPE	: PILATUS PORTER PC-6	TTSN	: 292 : 58
A/C REG	: PK-SNC	TCSN	: 419
MSN	: 1016	DATE	: 17-APRIL-2022

TYPE OF INSPECTION	: INSPECTION 100 HOURS / ANNUAL
DUE AT	: 300 HOURS
REFF	: MP PILATUS PC-6 REV. 01

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
FEBRI HERMAWAN	AIRFRAME & POWER PLANT	6445/SCA 009		17 / APRIL 2022.
N/A	EIRA	N/A	N/A	

THE NEXT DUE TYPE OF INSPECTION	: 100. HRS MAINTENANCE
DUE AT	: 400:00. FLIGHT. HOURS.

Form: SCA/MTC/049

smartaviation	**INSPECTION CARD** **(Form: SCA/MTC/ 048)**	TECHNICAL DEPARTMENT

1. CARD #	2. JO/WO #	3. ORIGINATOR	4. CARD REF	5. DATE
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
	☐ 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

1

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

PILATUS

HARTZELL

WORK ORDER NO.		: WO/007-SNC/III/2022.	
Aircraft Registration	PK-SNC	Aircraft Total Hours	292 : 58
Aircraft Serial No.	1016	Aircraft Total Landings	419
Engine Serial No.	PCE-PG0567	Engine TSN / ~~TSO~~	292 : 58
Propeller Serial No	FY. 4989	Propeller TSN / ~~TSO~~	292 : 58
Ambient Temp	35 °C	FBP (Field Barometric Pressure)	1009 In.Hg
Date	17-APRIL-2022.	Time	15 : 10. LT.
Mechanic / Engineer	AGUS.S	Authorized Engineer	FEBRI HERMAWAN
Reason For Ground Run		AFTER MAINTENANCE	

Checks to be carried out. No:	1 2 4 5 7 8 9 10 11 12 13 14 15

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 ofthe 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	533	□C
	Cabin Heat	OFF	✓	OK?
1	Low Idle (Minimum Governing) Speed	51 - 53 % Ng	52.0	% Ng
	Fuel Pressure / Boost Pump OFF	Light out or 25 ± 5 psi		OK?
	ITT		541	□C
	Oil Pressure		90	psi
	Oil Temperature		65	□C
2	Propeller Governor			
	Maximum Np	1980 - 2000 rpm (90.0 - 90.9 %)	1900	rpm
	Py Disconnected		90.9	% Ng
	Py Connected		91	% Ng
	Difference	Maximum 0.3% Ng		%
	Airbleed Link at Minimum	1900 - 1950 rpm (86.4 - 88.6 %)	N/A	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	N/A	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 %)	N/A	rpm
	Torque	4 - 7 psi		psi
6	FCU Maximum Governing Speed (Ng)	97.1 % Ng		% Ng
	(Trim stop deployed)		N/A	

NO.	CHECK	TARGET	ACTUAL
7	Engine Performance	Ref: AMM 71-00-00	
	Target Torque Pressure	psi	41.2 psi
	Fuel flow (Actual minus 23 lb / hr or 3.4 gal / hr)	lb / hr	51 lb / hr
	Target Ng	% Ng	94.3 % Ng
	Maximum ITT	^0C	594 ^0C
8	Reverse Power Setting		
	Np	1880 - 1925 rpm (85.5 - 87.5 %)	1890 rpm
	Torque	psi	24.3 psi
9	Propeller Overspeed Governor		
	Test Lever Selected to:		
	TEST	1880 - 1920 rpm (85.5 - 87.3 %)	1880 rpm
	NORMAL	1980 - 2000 rpm (90.0 - 90.9 %)	- rpm
10	Acceleration		
	64 % – 90 % Ng	2.5 – 4 secs	secs
	Deceleration		N/A
	85% to 60% Ng or low idle speed(Whichever comes first)	Maximum 6-12 sec (Dependent upon altitude)	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)	✓ OK?
		Decrease To Idle (Max Decrease less Than 4% per Second)	✓ OK?
12	Oil Pressure	80 -100 psi	89 psi
13	Generator (Ref. 24-30-00)	Online by 60% Ng	59 % 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	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?