



PT. SMART CAKRAWALA AVIATION

## WORK ORDER

Form: SCA/MTC/030

|                                                                                                                                                                                                                                                                                                                                    |                                                              |                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------|
| Subject :<br><b>Inspection 100 Hours Due at 1700 Hours.</b>                                                                                                                                                                                                                                                                        | No.                                                          | WO/034-SNW/III/2022                  |
|                                                                                                                                                                                                                                                                                                                                    | Date                                                         | 31-Mar-2022                          |
|                                                                                                                                                                                                                                                                                                                                    | A/C Reg.                                                     | PK-SNW C208B-5579                    |
| Reference :<br>MP C208B Rev. 10                                                                                                                                                                                                                                                                                                    | Prepared By                                                  | TS                                   |
|                                                                                                                                                                                                                                                                                                                                    | Checked By                                                   | CI                                   |
|                                                                                                                                                                                                                                                                                                                                    | Approved By                                                  | TM                                   |
| To : Engineer In Charge                                                                                                                                                                                                                                                                                                            |                                                              |                                      |
| <b>Description :</b><br><br><ol style="list-style-type: none"><li>1. Perform Inspection 100 Hours Due at 1700 Hours.</li><li>2. Make an entry in Maintenance Log.</li><li>3. Return the Completed Work Order and Form to PPC.</li></ol> <p>#If any finding, please close the routine card, and transferred to inspection card.</p> |                                                              |                                      |
| <b>Additional Work :</b>                                                                                                                                                                                                                                                                                                           |                                                              |                                      |
| Compliance Statement                                                                                                                                                                                                                                                                                                               | Sign & Date<br>Company Lic. No.:<br><br>(Engineer In Charge) | Signature<br><br>(Technical Manager) |

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

|                                                        |                                     |                      |                      |       |                       |
|--------------------------------------------------------|-------------------------------------|----------------------|----------------------|-------|-----------------------|
| DATE OF ISSUED                                         | JOWO #                              | TYPE OF MAINTENANCE  | DATE OF ACCOMPLISHED |       |                       |
| 31-Mar-2022                                            | WO/034-SNW/III/2022                 | Inspection 100 Hours |                      |       |                       |
| A/C Type                                               |                                     |                      |                      |       |                       |
| C208B                                                  | Mfg. Serial Number                  |                      | A/C Registration     |       |                       |
|                                                        | C208B-5579                          | PK-SNW               |                      |       |                       |
| AIRCRAFT DATA                                          |                                     |                      |                      |       |                       |
| Subject                                                | Pos #                               | Serial Number (SN)   | TTSN/TCSN            |       |                       |
| Engine                                                 | #1                                  | PCE-VA0651           |                      |       |                       |
|                                                        | #2                                  | -                    |                      |       |                       |
| Propeller/Rotor                                        | #1                                  | 190815               |                      |       |                       |
|                                                        | #2                                  | -                    |                      |       |                       |
| Landing Gear                                           | NLG                                 |                      |                      |       |                       |
|                                                        | LH MLG                              |                      |                      |       |                       |
|                                                        | RH MLG                              |                      |                      |       |                       |
| 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/<br>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/034-SNW/III/2022

| NO. | TASK<br>CARD NO. | DESCRIPTION                                              | DATE | EST<br>MHR | NAME | STAMP |
|-----|------------------|----------------------------------------------------------|------|------------|------|-------|
| 1   | B03              | PT6A-140 ENGINE GROUND RUN<br>PERFORMANCE                |      |            |      |       |
| 2   | CHAPTER<br>51    | ENGINE PT6A-140 100 HOUR INSPECTION/<br>MINOR INSPECTION |      |            |      |       |
| 3   | SCA/MTC/0<br>23  | EMERGENCY EQUIPMENT CHECK                                |      |            |      |       |



PT. SMART CAKRAWALA AVIATION

## CERTIFICATE RETURN TO SERVICE

### SCHEDULED MAINTENANCE INSPECTION (CRS-SMI)

A/C TYPE : CESSNA 208B

TTSN :

A/C REG : PK-SNW

TCSN :

MSN : C208B-5579

DATE :

TYPE OF INSPECTION : INSPECTION 100 HOURS

DUE AT : 1700 HOURS

REF : MP 208/208B REV. 10

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 |
|------|---------------------------|-------------|------------|------|
|      | AIRFRAME &<br>POWER PLANT |             |            |      |
|      | EIRA                      |             |            |      |

THE NEXT DUE TYPE OF INSPECTION :

DUE AT :

**Form: SCA/MTC/049**

|                                                                                   |                                                       |                                 |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------|
|  | <b>INSPECTION CARD</b><br><b>(Form: SCA/MTC/ 048)</b> | <b>TECHNICAL<br/>DEPARTMENT</b> |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------|

|                |             |               |                    |         |
|----------------|-------------|---------------|--------------------|---------|
| 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<br>PPC/ENG | 15<br>DATE |
|                                                                               |               |            |

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

|                                                                                                |                                                 |  |  |      |      |
|------------------------------------------------------------------------------------------------|-------------------------------------------------|--|--|------|------|
| 20. CORROSION INFORMATION                                                                      |                                                 |  |  |      |      |
| LOCATION                                                                                       | CAUSE OF DAMAGE                                 |  |  |      |      |
|                                                                                                | <input type="checkbox"/> Environment            |  |  |      |      |
|                                                                                                | <input type="checkbox"/> Internal Leakage       |  |  |      |      |
| CORROSION <input type="checkbox"/> Isolated <input type="checkbox"/> Widespread                | <input type="checkbox"/> Chemical Spill         |  |  |      |      |
| CORROSION LVL <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 | <input type="checkbox"/> LAV/Galley Spill       |  |  |      |      |
| PROPOSED ACTION <input type="checkbox"/> Doublers                                              | <input type="checkbox"/> Blocked Drain          |  |  |      |      |
| <input type="checkbox"/> Others                                                                | <input type="checkbox"/> Wet Insulation Blanket |  |  |      |      |
| .....                                                                                          | <input type="checkbox"/> 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 |
|                    |                  |                       |        |
|                    |                  |                       |        |
|                    |                  |                       |        |
|                    |                  |                       |        |



# MAINTENANCE PROGRAM CESSNA C208/C208B

## Appendix B03 – PT6A-140 Engine Run Performance Sheet

Reg. Mark : PK - WO/FML No. :

| PRE – INSPECTION |  |
|------------------|--|
| Location         |  |
| Date             |  |
| Cycle            |  |
| Filed Barometric |  |
| OAT              |  |
| Altitude         |  |

| POST – INSPECTION |  |
|-------------------|--|
| Location          |  |
| Date              |  |
| Cycle             |  |
| Filed Barometric  |  |
| OAT               |  |
| Altitude          |  |

| PRE – INSPECTION |        |        |
|------------------|--------|--------|
|                  | Target | Actual |
| Tq               |        |        |
| Np               |        |        |
| ITT              | °C     | °C     |
| Ng               | %      | %      |
| Wf               |        |        |
| Oil Press        |        | °C     |
| Oil Temp         |        | °C     |
| Start Temp       |        | °C     |

| POST – INSPECTION |        |        |
|-------------------|--------|--------|
|                   | Target | Actual |
| Tq                |        |        |
| Np                |        |        |
| ITT               | °C     | °C     |
| Ng                | %      | %      |
| Wf                |        |        |
| Oil Press         |        | °C     |
| Oil Temp          |        | °C     |
| Start Temp        |        | °C     |

| Engine Run Up Checks                                                                                                                                                                                                                                                 |                              |                              |                                   |                              |                                |                                  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|-----------------------------------|------------------------------|--------------------------------|----------------------------------|--|
| Inertial <input type="checkbox"/>                                                                                                                                                                                                                                    | EPL <input type="checkbox"/> | OVG <input type="checkbox"/> | Stby Alt <input type="checkbox"/> | BOV <input type="checkbox"/> | Brake <input type="checkbox"/> | Randomn <input type="checkbox"/> |  |
| <b>NOTE:</b><br>1. Brake system at Torque 2000 ft-lbs.      3. EPL check can't exceed 4% Ng per second.      5. Low idle at 55.5 - 57% 40Amps.<br>2. Inertial Separator at Torque 400 ft-lbs.      4. Standby Alt at 80% Ng.      6. High idle at 64 - 66% Ng 40Amps |                              |                              |                                   |                              |                                |                                  |  |

Engine Performance Target Table (Cessna C208B EX)

| OAT (°C)    | 27    | 28    | 29    | 30    | 31    | 32    | 33    | 34    | 35    | 36    | 37    | 38    | 39    | 40    | 41    |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tq (ft.lbs) | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  | 2397  |
| Np          | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  | 1900  |
| ITT (°C)    | 835   | 837   | 839   | 841   | 841   | 841   | 841   | 841   | 841   | 842   | 843   | 844   | 846   | 846   | 846   |
| Ng (%)      | 102.7 | 102.7 | 102.7 | 102.7 | 102.7 | 102.7 | 102.7 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.6 | 102.5 |
| WF (PPH)    | 578   | 578   | 578   | 578   | 578   | 578   | 578   | 570   | 565   | 565   | 560   | 560   | 555   | 548   | 548   |

**Note:**

1. Make sure that inertial separator in normal condition, no bleed air extracted from the engine and air condition OFF.
2. This table only applies to altitude 0-500 feet MSL. For higher altitude, refer to EMM 72-00-00.
3. Max fuel flow is 580 lb/hr fuel flow is not more than 15 lbs/hr higher than the value shown in table.
4. If parameters are outside the target performance table to EMM chapter 71-00-00.

|          |
|----------|
| REMARKS: |
|----------|

| PERFORMED BY |              |      |          |
|--------------|--------------|------|----------|
| Name         | Sign & Stamp | Date | Location |
|              |              |      |          |



# MAINTENANCE PROGRAM CESSNA C208/C208B

## Chapter 51 – Engine PT6A-140 100 Hours/Minor Inspection

|           |   |            |         |   |       |
|-----------|---|------------|---------|---|-------|
| Reg. Mark | : | PK - _____ | Date    | : | _____ |
| MSN       | : | _____      | Station | : | _____ |
| TSN / CSN | : | _____      | WO No.  | : | _____ |

| ITEM CODE NO. | ZONE | TASK                                                                                                                                                  | SIGNATURE |       |
|---------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
|               |      |                                                                                                                                                       | SIGN      | STAMP |
| F710001       | 130  | Do a check of the FCU manual override system for static operation.<br>For the engines installed with a manual override system only.                   |           |       |
| F710003       | 130  | Do a compressor performance recovery wash                                                                                                             |           |       |
| F720000       | 130  | Do a visual inspection of the Control Linkages and wiring.                                                                                            |           |       |
| F720001       | 130  | Do a visual inspection of the engine exhaust duct welds.                                                                                              |           |       |
| F720002       | 130  | Do a visual inspection of the engine exhaust duct for cracks.                                                                                         |           |       |
| F720003       | 130  | Do a visual inspection of the gas generator case and the center fireseal.                                                                             |           |       |
| F720004       | 130  | Do a visual inspection of the rear fireseal mounting ring.                                                                                            |           |       |
| F722001       | 130  | Do a visual inspection of the air inlet screen.                                                                                                       |           |       |
| F723000       | 130  | Do a visual inspection with a mirror or a borescope inspection of the First-stage Compressor Rotor and the inlet case for corrosion                   |           |       |
| F725005       | 130  | Do a detailed inspection of the turbine exhaust duct.                                                                                                 |           |       |
| F731002       | 130  | Do a check for the fuel pump installation and leaks.                                                                                                  |           |       |
| F731003       | 130  | Do a check of the oil-to- fuel heater installation                                                                                                    |           |       |
| F731035       | 130  | Do a visual Inspection of the Fuel - Oil Heat Exchanger Fuel Filter Element<br><br><b>(CLEANING / REPLACEMENT)</b><br>P/N OFF: _____<br>P/N ON: _____ |           |       |



# MAINTENANCE PROGRAM

## CESSNA C208/C208B

### Chapter 51 – Engine PT6A-140 100 Hours/Minor Inspection

| ITEM CODE NO.                                             | ZONE | TASK                                                                                                                                               | SIGNATURE |       |
|-----------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------|
|                                                           |      |                                                                                                                                                    | SIGN      | STAMP |
| F731006                                                   | 130  | Do a check of the drain valve for installation and leaks                                                                                           |           |       |
| F731007                                                   | 130  | Do a check of the flow divider for installation and leaks.                                                                                         |           |       |
| F731008                                                   | 130  | Do a visual inspection of the P3 filter and drain valve.                                                                                           |           |       |
| F731015                                                   | 130  | Do a visual inspection of Fuel Pump outlet filter.<br><br><b>(CLEANING / REPLACEMENT)</b><br>P/N OFF: _____<br>P/N ON: _____                       |           |       |
| F731018                                                   | 130  | Clean or replace the P3 filter based on condition, service experience or environment.<br><b>Note:</b><br>If corrossions are found, replace filter. |           |       |
| F732001                                                   | 130  | Do a check of the FCU for installation, linkages and pneumatic tubes.                                                                              |           |       |
| F792000                                                   | 130  | Inspect and clean oil filter for debris.                                                                                                           |           |       |
| *** End of Engine PT6A-140 100 Hours Inspection Items *** |      |                                                                                                                                                    |           |       |

| PERSONNEL PRITICIPATING IN THIS INSPECTION |          |           |                |
|--------------------------------------------|----------|-----------|----------------|
| NAME                                       | POSITION | SIGNATURE | LICENSE NUMBER |
|                                            |          |           |                |
|                                            |          |           |                |
|                                            |          |           |                |
|                                            |          |           |                |

### RETURN TO SERVICE

The work recorded above has been carried out in accordance with the requirements of the Civil Aviation Safety Regulation for the time being in force and in that respect the aircraft is consider fit for Release to Service.

Name : \_\_\_\_\_ Stamp : \_\_\_\_\_  
Signature : \_\_\_\_\_ Place/Date : \_\_\_\_\_



# **EMERGENCY EQUIPMENT LIST INSPECTION & MONITOR**

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

|                   |                        |
|-------------------|------------------------|
| <b>DATE :</b>     | <b>A/C REG :</b>       |
| <b>A/C TYPE :</b> | <b>CHECKER : SIGN:</b> |

| 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                |     |     |            |         |
| 14            | Crash Axe Installed         |     |     |            |         |
| 15            | Fire Extinguisher           |     |     |            |         |
| 16            | Life Raft (If Installed)    |     |     |            |         |
| 17            | Survival Kit (If Installed) |     |     |            |         |
| <b>OTHERS</b> |                             |     |     |            |         |
|               |                             |     |     |            |         |
|               |                             |     |     |            |         |



## Additional Work Sheet

### Inspection 100 Hours

Aircraft Registration: **PK-SNW**

WO# Nr: **WO/034-SNW/III/2022**

## Parts Used Sheet

### Special Tool Used

[illegible]



## Additional Work Sheet

### Inspection 100 Hours

Aircraft Registration: **PK-SNW**

WO# Nr: **WO/034-SNW/III/2022**

## Parts Used Sheet

### Part Used

[illegible]