

APPROVED MAINTENANCE ORGANIZATION 145D-1003

INDEX WORK COMPLETION HSI PK-SNH ESN PCE-VA0662 (PT6A-140)

HANGAR-NABIRE

(Dated 17 Dec 2021-21 Dec 2021)

NO	DESCRIPTION	COMPLETION (√)		
		YES	NO	N/A
1	Smart Cakrawala Aviation Certificate of Approval & Operation Specification	√		
2	Smart Cakrawala Aviation Capability List	√		
3	Review Last Borescope Inspection	√		
4	Company Maintenance Authorization (CMA) Febri Hermawan, Bramono Ony Trianto	√		
5	Form SCA-MTC 089 ARC Register Record	√		
6	Form SCA-MTC 012 Work Order Register Record	√		
7	A WO-037-SNH-XII-2021_Hot Section Inspection	√		
	B Form SCA-MTC 015-Rectification Work Order	√		
	C Task Hot Section Inspection Engine PT6A-140 ESN PCE-VA0073	√		
	D SCA-MTC 030 – Additional Worksheet	√		
	E SCA-MTC 042 – Part Usage During Maintenance	√		
	F SCA-MTC-098 – List of Tools/Equipment's	√		
	G SCA-MTC-052 – Engine Run Performance Sheet	√		
	H Serviceable Tag, ARC components/Kits/, C of C			
8	FORM SCA-MTC 009 Return to Service	√		
9	DGCA Form 21-18 Authorized Release Certificate	√		
10	SCA-MTC-058 – Return to Service Customer Acceptance	√		
11	PWC HSI Reference 72.00.00	√		
12	Capability Self Internal Evaluation	√		
13	Time Table Schedule and Actual Work Progress Report	√		

Jakarta, 16 December 2021

Istiono

Chief Inspector-AMO

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REPUBLIC OF INDONESIA
MINISTRY OF TRANSPORTATION
DIRECTORATE GENERAL OF CIVIL AVIATION

Certificate of Approval

Number : 145D-1003

This certificate is issued to : **PT. SMART CAKRAWALA AVIATION**
Whose business address is : **Smartdeal Building 4th Floor, Jalan Cideng Timur,
No.16A, Petojo Utara, Gambir Jakarta Pusat,
10130 - Indonesia**

Upon finding that this organization complies in all respects with the requirements of the Civil Aviation Safety Regulations relating to the establishment of an approved organization, and empowered to operate as an :

APPROVED MAINTENANCE ORGANIZATION

With the following ratings : - **Limited Airframes;**
- **Limited Powerplant;**
- **Limited Radio Equipment;**
- **Limited Instrument;**
- **Limited Specialized Services.**

This approval is not transferable and shall continue until expired, unless cancelled, suspended or revoked by the Director General; and any major change in the basic facilities, or in the location thereof, shall immediately be reported to the Director General.

Jakarta, 7 December 2021

DIRECTOR GENERAL OF CIVIL AVIATION

Expiry Date :
12 Desember 2026



NOVIE RIYANTO R.



**MINISTRY OF TRANSPORTATION
DIRECTORATE GENERAL OF CIVIL AVIATION**

Office Complex, C3 St. Soekarno – Hatta International Airport, Tangerang, Banten 15126
Telp. : (+6221) 225 66288, (+6221) 226 08887 Fax : (+6221) 225 66399
website: hubud.dephub.go.id; e-mail: daao_dgca@dephub.go.id

OPERATIONS SPECIFICATIONS

Name of Organization : **PT. SMART CAKRAWALA AVIATION**
Number of Approval : **145D - 1003**

Date of issuance : **7 Dec 2021**
Amendment : **0**

A001 – ISSUANCE AND APPLICABILITY

a. These Operation Specifications (Opspec) are issued to :

Name of Organization : **PT. SMART CAKRAWALA AVIATION**

DBA : **-**

Mailing Address : **Smartdeal Building 4th Floor,
Jalan Cideng Timur No. 16A Petojo Utara, Gambir
Jakarta Pusat, 10130 – Indonesia**

Telephone : **(+62) 21 6305 210**

Facsimile : **(+62) 21 6324 873**

Facility Location : **1. Hangar Smart Aviation, Bandar Udara Khusus Smart Semelagi
Demang Akub, RT 10 Semelagi Kecil, Singkawang Utara,
Kalimantan Barat, Indonesia
2. Hangar Smart Aviation, Bandar Udara Douw Aturure, Jl. Trikora,
Morgo, Kec. Nabire, Kabupaten Nabire, Papua, Indonesia
3. Bengpus Penerbad, Jl. Kalibanteng Kulon, Semarang, Indonesia**

b. These Operations Specifications are issued as part of this AMO Certificate of Approval and are in effect as of the date approval is effective. This certificate and these Operation Specifications shall remain in force for such period as determined by the DGCA unless the certificate holder surrenders the certificate or the DGCA suspends or revokes it.

c. The certificate holder is authorized to use the business name described in this operation specification sub paragraph a.

On Behalf of Director General Of Civil Aviation


DADUN KOHAR
Director of Airworthiness And Aircraft Operations



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A002 – RATINGS AND LIMITATIONS

The Certificate Holder is authorized the following Ratings and/or Limitations:

LIMITED RATINGS

1. AIRFRAME

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Cessna Textron	C208 Series	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability Lis as amended
Airbus Helicopter	EC130T2 AS350 Series (H125) AS355	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability Lis as amended
Bell Textron	Bell 412 Series	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability Lis as amended

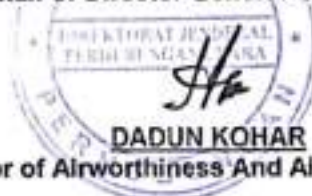
2. POWERPLANT

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
Pratt & Whitney	PT6A-114,114A, and -140 PT6T Series	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability Lis as amended
Safran Turbomeca	Arriel 2 Arrius 1	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability Lis as amended
Rolls Royce	Allison 250 Series	Authorized for maintenance and alteration in accordance with the current manufactures publication or approved data as per accepted Capability Lis as amended

3. SPECIALIZED SERVICES

<u>Method</u>	<u>Specification</u>	<u>Limitations</u>
Borescope Inspection	As accepted method by the current publication	All work shall be conducted in accordance accepted capability list no SCA/TEK/3-002, as amended

On Behalf of Director General Of Civil Aviation



DADUN KOHAR
Director of Airworthiness And Aircraft Operations



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A002 – RATINGS AND LIMITATIONS (Cont'd)

The Certificate Holder is authorized the following Ratings and/or Limitations:

LIMITED RATINGS

4. RADIO

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
As listed in the current accepted capability list of PT. Smart Cakrawala Aviation	As listed in the current accepted capability list of PT. Smart Cakrawala Aviation	Limited inspection, repair up to and test of radio accordance with current manufacturer's technical data or other DGCA approved technical data

5. INSTRUMENT

<u>Manufacturer</u>	<u>Make/Model</u>	<u>Limitations</u>
As listed in the current accepted capability list of PT. Smart Cakrawala Aviation	As listed in the current accepted capability list of PT. Smart Cakrawala Aviation	Limited inspection, repair up to and test of radio accordance with current manufacturer's technical data or other DGCA approved technical data

A003 – EXEMPTIONS

-NONE-

On Behalf of Director General of Civil Aviation



DADUN KOHAR
Director of Airworthiness And Aircraft Operations



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Amendment : **0**

A004 – DESIGNATED PERSONS

List of Designated person as contact persons:

No	NAME	JOB TITLE	PHONE NUMBER & EMAIL ADDRESS
1	PONGKY MAJAYA	Accountable Manager (President Director)	+62 821 14137183 pongky.majaya@smartaviation.co.id
2	ANDREAS HERYANSYAH	Technical Manager	+62 813 73305372 andreas@smartaviation.co.id
3	ISTIONO	Chief Inspector	+62 821 11610580 istiono@smartaviation.co.id

On Behalf of Director General Of Civil Aviation


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Director of Airworthiness And Aircraft Operations



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Amendment : **0**

A005 – ADDITIONAL FIXED LOCATIONS

Name of Operator	Facility Description	Location	Limitation
Smart Aviation	ERI Shop	Bengpus Penerbad, Jl. Kalibanteng Kulon, Semarang, Indonesia	Limited inspection, repair up to and test of radio accordance with current manufacturer's technical data or other DGCA approved technical data

On Behalf of Director General Of Civil Aviation



Director of Airworthiness And Aircraft Operations



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Amendment : **0**

A006 – WORK TO BE PERFORMED AT A PLACE OTHER THAN THE AMO'S FIXED LOCATION

The certificate holder is authorized to perform work on recurring basis at a location other than the fixed location, and the certificate holder may accomplish this by temporarily transporting material, equipment, and personnel to perform specific maintenance functions at other location in accordance with AMO Manual

Work Authorized	AMO Manual Reference	Quality Control Manual Reference
Borescope	AMO & QCM chapter 8.13	AMO & QCM chapter 8
Hot Section Inspection	AMO & QCM chapter 8.13	AMO & QCM chapter 8.13

On Behalf of Director General Of Civil Aviation



DADUN KOHAR
Director of Airworthiness And Aircraft Operations



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Amendment : **0**

A007 – LINE MAINTENANCE AUTHORIZATION

The certificate holder is authorized to perform line maintenance for operator under CASR parts 121 and 135 and for foreign air carriers or foreign persons operating an Indonesian registered aircraft operating under CASR part 129 as listed following table.

Name of Operator	Aircraft Make & Model	Location	Limitation
Smart Aviation	C208 Series	Operation Area	Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Operator Maintenance Program.
	R66		
	EC130T2		
	BELL 412		

On Behalf of Director General Of Civil Aviation



DADUN KOHAR

Director of Airworthiness And Aircraft Operations

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AMO CAPABILITY LIST

DOCUMENT NUMBER	REVISION NUMBER	DATE
SCA/TEK/3-002	00	01 October 2019
	01	09 October 2020
	02	27 January 2021
	03	31 March 2021
PT. Smart Cakrawala Aviation AMO Approval Number 145D-1003		

DISTRIBUTION LIST

<u>COPY NUMBER</u>	<u>HOLDER</u>
Original	Library
Soft Copy	Chief Inspector
Soft Copy	President Director
Soft Copy	Indonesian DGCA
Soft Copy	Technical Manager
Soft Copy	Chief Maintenance
Soft Copy	Chief Technical Services

RECORD OF REVISION

This record of revisions shall be retained in this Capability List Manual. Revisions shall be inserted to replace the superseded pages in this document with the revision date, insertion date and name of person incorporating the revision annotated in the appropriate block below.

REV. NO	REVISION DATE	DATE INSERTED	INSERTED BY (Name in BLK)
00	01 October 2019	01 October 2019	CHAIRI
01	09 October 2020	07 January 2021	ISTIONO
02	27 January 2021	29 January 2021	ISTIONO
03	30 March 2021	31 March 2021	ISTIONO

HIGHLIGHT OF REVISION

REV. NO	REVISION DATE	CHAP	PAGE	DESCRIPTION OF CHANGED
00	01 October 2019	All	All	First Issuance
01	09 October 2020	All	- DL.1 - RoR.1 - RH.1 - LEP1 - LEP.2 - TOC.1 - 2.1 - 2.2	- Changed Distribution List - Changed Record of Revision - Updated Highlight of Revision - Updated List of Effective Pages - Changed Chief Inspector - Added word Line Maintenance - Inserted EC130 - Inserted Bell 412 - Added Line Maintenance
02	27 January 2021	All	- RoR.1 - RH.1 - LEP1 - 2.1	- Changed Record of Revision - Updated Highlight of Revision - Updated List of Effective Pages - Added Bell 412 Capability
03	30 March 2021	All	- RoR.1 - RH.1 - LEP1 - 2.1 - 2.2	- Changed Record of Revision - Updated Highlight of Revision - Updated List of Effective Pages - Added AS350/355 Capability - Added Avionic Capability

List of Effective Pages

[illegible]

Prepared by:

WJ

ISTIONO
CHIEF INSPECTOR

[illegible]

Approved by:

Approved by:



HILLMAN NUGRAHA
AIRWORTHINESS INSPECTOR



HILLMAN NUGRAHA
AIRWORTHINESS INSPECTOR

CHAP	PARA	DESCRIPTION	PAGE
		Cover	
		Distribution List.....	DL.1
		Record Of Revision.....	RR.1
		Highlight Of Revision.....	RH.1
		List Of Effective Pages.....	LEP.1
		Table Of Content.....	TOC.1
1		PREFACE	
	1.1	Introduction.....	1.1
2		CAPABILITY LIST	
	2.1	Airframe.....	2.1
	2.2	Powerplant.....	2.1
	2.3	Specialized Services.....	2.2
	2.4	Line Maintenance.....	2.2
	2.5	Avionic Shop.....	2.2



1.1. Introduction

This Capability List identifies aeronautical products, parts assemblies or constituent parts by make, model and part number on which this Approved Maintenance Program (AMP) is rated to perform work. When used by Certificated AMO, the Capability List is means of reflecting all articles the AMO is currently able to maintain.

Contain in this Capability List will be maintained and evaluated result, every item on list will be determined for being delete, modify or let it down.

For new capability to be added on the list, then the "Self Evaluation Capability" will be initiated as a reference for updating Capability List. Procedure for revision laid down in the AMO and QC Manual.

In order to comply with CASR 145 any revision on this Capability List must be approved by DGCA. Revised on is make in a way for easy to be recognized there for revised item shall be marked with perpendicular bar on left and then record the number and date of revision on the "Record of Revision" page and put name and signature there. Furthermore the "List of Effective Page" must be synchronized with the change of the revised pages and discard the pages that has been revised.

2.1 AIRFRAME

No.	MANUFACTURER	TYPE / MODEL	LIMITATION
1	Textron Aviation	Cessna C208/208B	- Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP). - Preflight and Daily Inspection. - Airframe Inspection for ID 0A, ID 01, ID 02, ID 03, ID 04, ID 05, ID 06, ID 07, ID 08, ID 09, ID 10, ID 11, ID 12, ID 13, ID 14, ID 15, ID 16, ID 17, ID 18, ID 19, ID 20, ID 21, ID 22, ID 23, ID 24, ID 25, ID 26, MA, MB, MD, ME, MF, MG, MH, MI, MJ, MK, ML.
2	Airbus Helicopter	EC130T2 (H130) AS350 (H125) AS355	- Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP). - Airframe Inspection up to 600 hours, 24 months, 600 hours/24 months, 1 OPC, 1.000 OPH. - Airframe Inspection up to 1200 hours, 48 months, 1.200 hours/48 months.
3	Bell Helicopter Textron	BELL 412 SP BELL 412 HP BELL 412 EP BELL 412 EPI	- Airframe Inspection, Repair and Alteration up to 5.000 hours or 5 Years.

2.2 POWERPLANT

No.	MANUFACTURER	TYPE / MODEL	LIMITATION
1	Pratt and Whitney	PT6A-114,- 114A,-140	- Engine Inspection up to Minor inspection. - 100 Hours Inspection up to 1000 Hours Inspection. - Hot Section Inspection (HSI).
		PT6T-3B PT6T-3BE PT6T-3DF PT6T-9	- Engine inspections, Repair and Alteration up to 2.500 hours.
2	Safran Turbomeca	Arriel 2D Arrius 1	- Engine inspections up to 800 hours or 24 months. - Engine inspections up to 6.000 hours or 180 months.
3.	Rolls Royce	Allison 250	- Engine inspections up to 600 hours or 12 months.

2.3 SPECIAL SERVICE

No.	METHOD	SPECIFICATION	LIMITATION
1	Borescope Inspection	As accepted method by current Manufacture manual	Reference AMO Manual Chapter 8.13

2.4 LINE MAINTENANCE

NAME OF OPERATOR	TYPE/MODEL	LOCATION	LIMITATION
Smart Aviation	- C208/208B - R66 - EC130T2 - BELL 412	Operation Area	- Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Operator Maintenance Program.

2.5 AVIONIC SHOP

A. RADIO				
NO	DESCRIPTION	PART NUMBER	MANUFACTURE	LIMITATION
1	VHF 22 Series	622-615-001	Collins	Inspection, Test, Repair
2	VHF 22 Series	622-615-002	Collins	Inspection, Test, Repair
3	VHF 22 Series	622-615-011	Collins	Inspection, Test, Repair
4	VHF 22 Series	622-615-021	Collins	Inspection, Test, Repair
5	VHF 22 Series	622-615-022	Collins	Inspection, Test, Repair
6	VHF 22 Series	622-615-023	Collins	Inspection, Test, Repair
7	VHF 22 Series	622-615-031	Collins	Inspection, Test, Repair
8	VHF 22 Series	622-615-033	Collins	Inspection, Test, Repair
9	VHF 20 Series	622-1879-001	Collins	Inspection, Test, Repair
10	VHF 20 Series	622-1879-002	Collins	Inspection, Test, Repair
11	HF KTR 900 Series	006-0059-0000	Bendix King	Inspection, Test, Repair
12	RMI 30	622-4938-001	Collins	Inspection, Test, Repair
13	RMI 36	622-4938-001	Collins	Inspection, Test, Repair
14	ALT 50	622-3201-001	Collins	Inspection, Test, Repair
15	ALT 55	622-2855-001	Collins	Inspection, Test, Repair
16	VIR 30	622-0876-004	Collins	Inspection, Test, Repair
17	VIR 31	622-1239-004	Collins	Inspection, Test, Repair
18	VIR 32	622-6137-004	Collins	Inspection, Test, Repair
-	-	-	-	-
B. INSTRUMENT				
1	RADAR	RDR 1400	Bendix King	Inspection, Test, Repair
2	RADAR	ART 2000	Bendix King	Inspection, Test, Repair
3	OIL TEMP/PRESS	124043	Kratos	Inspection, Test, Repair
4	FUEL QTY IND.	393008	Simonos	Inspection, Test, Repair
-	-	-	-	-



DOCUMENT FORM BORESCOPE INSPECTION FORM

Page |

Engine Borescope Inspection

Job No: **WO/026-SNH/VII/2021**

Engine Serial Number	Date	Base / Location	Aircraft Registration
PCE-VA0662	31 JULY 2021	SINGKAWANG	PK-SNH
Aircraft Total Time :	Aircraft Total Cycle :	Reason For Borescope :	
1608:57 HOURS	2446 CYCLE	1600 HOURS INSPECTION	

Note:

Record any discrepancies found during inspection, and/or take photographic evidence.

If None, then write No Findings. If you find defects, please quote EMM (Engine Maintenance Manual)

Reference and Limitations.

Item	Work Description	Mech.	LAE
1	Remove fuel manifold adapter as necessary (Ref. 73-10-05).		
2	Perform inspection of the First Stage Compressor. <u>Defects:</u> RESULT SATISFACTORY FOUND NO DEFECT <u>If defects found, quote MM Limitation and References :</u>		

Photo of First Stage Compressor 1st Quadrant



Photo of First Stage Compressor 2nd Quadrant





DOCUMENT FORM BORESCOPE INSPECTION FORM

Page 1

Photo of First Stage Compressor 3rd Quadrant



Photo of First Stage Compressor 4th Quadrant



3

Perform inspection of Combustion Chamber Liner Assembly.

Defects:

RESULT SATISFACTORY FOUND NO DEFECT

If defects found, quote MM Limitation and References :

Mech.

LAE

[Signature]

Photo of Combustion Chamber 1st Quadrant



Photo of Combustion Chamber 2nd Quadrant





DOCUMENT FORM BORESCOPE INSPECTION FORM

Page |

Photo of Combustion Chamber 3rd Quadrant



Photo of Combustion Chamber 4th Quadrant



4 Perform Inspection of CT-Stator assembly.
Defects:
FOUND BURNING OF COATING / PARENT MATERIAL ON ONE AREA SMALL EXIT DUCT

If defects found, quote MM Limitation and References:
PT6A-140, EMM 72-40-10, PARA 7D (acceptable damage limit)

Mech.

LAE

Photo of CT Stator 1st Quadrant



Photo of CT Stator 2nd Quadrant





DOCUMENT FORM BORESCOPE INSPECTION FORM

Page 1

Photo of CT Stator 3rd Quadrant



Photo of CT Stator 4th Quadrant



5

Perform inspection of CT blades and shroud segments.

Defects:

FOUND SATISFACTORY, NO DEFECT FOUND

If defects found, quote MM Limitation and References:

Mech.

LAE

[Signature]



Photo of Leading Edge CT-Blades 1st Quadrant



Photo of Leading Edge CT-Blades 2nd Q





DOCUMENT FORM BORESCOPE INSPECTION FORM

Page |

Photo of Leading Edge CT-Blades 3rd Quadrant



Photo of Leading Edge CT-Blades 4th Quadrant



- 6 Perform inspection trailing edge of CT blades.
Defects:
 - FOUND INITIAL COATING DETERIORATION (SULFIDATION)
 - FOUND SCRATCH ON SHROUD SEGMENT, CLEARANCE GOOD AND NO FOUND LOOSE BLADE.

If defects found, quote MM Limitation and References :
 PT6A-140, EMM 72-50-02, Para 3 D (Acceptable Damage Limit)

Mech.

LAE

[Signature]



Photo of Trailing Edge CT-Blades 1st Q



Photo of Trailing Edge CT-Blades 2nd Q





DOCUMENT FORM BORESCOPE INSPECTION FORM

Page |

Photo of Trailing Edge CT-Blades 3rd Q



Photo of Trailing Edge CT-Blades 4th Q



7

Perform inspection of PT-Blades and PT-Vanes Ring

Defects:

RESULT SATISFACTORY NO DEFECT FOUND

If defects found, quote MM Limitation and References :

Mech.

LAE

[Signature]

[Signature]

Photo of PT-Blades/Vanes 1st Q



Photo of PT-Blades/Vanes 2nd Q





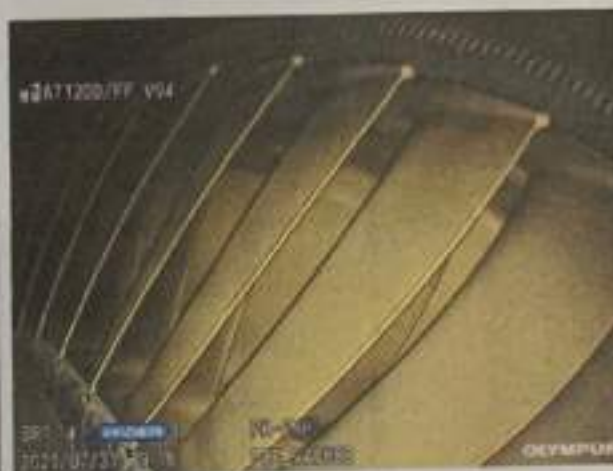
DOCUMENT FORM BORESCOPE INSPECTION FORM

Page |

Photo of PT-Blades/Vanes 3rd Q



Photo of PT-Blades/Vanes 4th Q



		Mech.	LAE
8	Install fuel manifold adapter(s) (Ref. 73-10-05).		
9	Perform fuel leak check post fuel nozzle installation		

BORESCOPE PERFORMED BY

Name: DODIT SUPRIYANTO

Signature :



PT SMART CAKRAWALA AVIATION AMO 145D - 1003

COMPANY MAINTENANCE AUTHORIZATION - CMA

Reference Number: SCA-CI/007/20-Rev.01



NAME	: Mr. Febrl Hermawan	STAFF No.	: 11118034	AMEL No.	: 6445	AMEL exp. Date	: 21 May 2022
CMA Initial Issued Date	: 18 Nov 2020	STAMP No.	: M-07 R-07	CMA expiry date	: 21 May 2022	CONT. TRNG expiry date	: 28 Jan 2023

AUTHORIZATION INVALID WHEN ANY OF THE ABOVE DATES ARE EXCEEDED

AMEL CATEGORY	✓	CESSNA 208/208B FITTED WITH PT6A-114,-114A,-140 ENGINE
		ROBBINSON R66 FITTED WITH RR300 ENGINE
		AIRBUS EC130T2 FITTED WITH ARRIEL 2D ENGINE
		BELL 212/412 FITTED WITH PT6T SERIES ENGINE
		AVIONIC-INSTRUMENT/RADIO
		AS 350/ AS355 WITH ARRIEL 2/ ARRIUS 1 /ALLISON 250 SERIES ENGINE
		PILATUS PORTER PC-6 WITH PT6 ENGINE

SCOPE

A & E	Appendix 1(A,B,C,D,E), 5 (A,B),6, 7(A,B),10(A,B,C), 11(B).
I E R A	

Holder signature

Chief Inspector signature

Issued Date : 12 April 2021

Note 1: On termination of service with Smart Cakrawala Aviation, the Authorization & stamp shall return to Chief Inspector.

Note 2: Company Maintenance Authorization and Stamp issued by Chief Inspector are properties of the Company Smart Cakrawala Aviation unless been withdrawn, suspended, revoked or returned to QA.

This Company Maintenance Authorisation is only valid whilst the holder is employed by Smart Cakrawala Aviation.

Whilst exercising the authority of this certificate the holder is technically responsible to the Chief Inspector of Smart Cakrawala Aviation. The holder is not permitted to delegate this authority to any other person.

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Whilst exercising the authority Stamp means signature, name, AMEL Number already represented.

When making certifications on documents that do not permit the use of stamp impressions, the holders normal signature must be used and followed with the Name, AMEL number and date clearly printed.

Any Lost, Damage or Broken of CMA/Stamp must be reported to the Chief Inspector immediately.



PT SMART CAKRAWALA AVIATION AMO 145D – 1003

COMPANY MAINTENANCE AUTHORIZATION - CMA

APPENDIX 1:

Maintenance Release and Return to Service Cessna

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Preflight and Daily Inspection.
- C. Airframe Inspection for ID 0A, ID 01, ID 02, ID 04, ID 05, ID 06, ID 07, ID 08, ID 09, ID 10, ID 11, ID 12, ID 13, ID 14, ID 15, ID 16, ID 17, ID 18, ID 19, ID 20, ID 21, ID 22, ID 23, ID 24, ID 25, ID 26, MA, MB, MD, ME, MF, MG, MH, MI, MJ, MK, ML.

Maintenance Release and Return to Service Pratt and Whitney Engine Inspection up to Minor Inspection

- D. 100 Hours Inspection up to 1000 Hours Inspection.
- E. Hot Section Inspection (HSI) include Authorized Release Certificate.

APPENDIX 2:

Maintenance Release and Return to Service Robinson

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Airframe Inspection up to 100 hours or 12 months.

Maintenance Release and Return to Service RR300

- C. Engine inspections up to 200 hours or 12 months.

APPENDIX 3:

Maintenance Release and Return to Service Airbus Helicopter

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Airframe Inspection up to 600 hours, 24 months, 600 hours/24 months, 1 OPC, 1,000 OPH.
- C. Airframe Inspection up to 1200 hours.
- D. 48 months, 1,200 hours/48 months.

Maintenance Release and Return to Service Arriel 2D

- Engine inspections up to 800 hours or 24 months
- E. Engine inspections up to 6,000 hours or 180 months.

APPENDIX 4:

Compass compensation and adjustment, this includes:

- A. Direct reading compasses.
- B. Remote reading compasses.
- C. Preparation of deviation cards.

APPENDIX 5:

Borescope

- A. Engine Full borescope inspection including assessment limitation.
- B. Airframe Full borescope inspection including assessment limitation.

APPENDIX 6:

Required Inspection Item.

APPENDIX 7:

Engine Ground Run

- A. Idle Power only.
- B. Full Power.

APPENDIX 8:

Weight and Balance.

APPENDIX 9:

- A. Electrical power generation and distribution systems including the use of external test equipment. This includes but is not restricted:

- Aircraft lighting system
- Zonal inspection of wire bundles
- Bonding test using a conductivity tester
- Soldering, crimping or inspection of wiring
- Igniter lead changes.

- B. Including electrical components in mechanical systems.

- C. Instrument systems.

- D. Autopilot system.

- E. Radio communication and navigation systems.

- F. Radio radar systems.

- G. Checks and replacement of Radio communication/navigation /Radio radar system LRUs in accordance with AMM provided that the satisfactory function of these is either self-evident or can be verified using BITE tests.

APPENDIX 10:

Servicing & Miscellaneous

- A. Push-outs and Towing.
- B. Special vehicle ramp activities.
- C. Inspection after De-icing/Anti-icing.

Appendix 11:

Propeller

- A. Workshop-Disassembly/Assembly.
- B. Line-Removal/Installation, Adjustment and Test.
- C. Workshop-Issuance Authorized Release Certificate.

APPENDIX 12:

Maintenance Release and Return to Service BELL

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Airframe Inspection up to 5000 Hours or 5 Years.

Maintenance Release and Return to Service Pratt and Whitney

- C. Engine inspections up to 2500 hours.

APPENDIX 13:

Workshop

- A. Instrument
- B. Radio

APPENDIX 14:

Maintenance Release and Return to Service AS350/AS355

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Airframe Inspection up to 4500 Hours or 4 Years.

Maintenance Release and Return to Service Arriel 2/Arriel 1/Allison 250 Series

- C. Engine inspections up to 2500 hours.

APPENDIX 15:

Maintenance Release and Return to Service Pilatus Porter PC-6

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Preflight and Daily Inspection.

Maintenance Release and Return to Service Pratt and Whitney Engine Inspection up to Minor Inspection

- C. 100 Hours Inspection up to 1000 Hours Inspection.
- D. Hot Section Inspection (HSI) include Authorized Release Certificate.



PT SMART CAKRAWALA AVIATION AMO 145D – 1003

COMPANY MAINTENANCE AUTHORIZATION - CMA

Reference Number: SCA-CI/015/20-Rev.02



NAME	: Mr. Agus Sulaeman	STAFF No.	: 10120062	AMEL No.	: 6444	AMEL exp. Date	: 19 Feb 2022
CMA Initial Issued Date	: 25 Nov 2020	STAMP No	: M-15 R-15	CMA expiry date	: 19 Feb 2022	CONT. TRNG expiry date	: 28 Feb 2023

AUTHORIZATION INVALID WHEN ANY OF THE ABOVE DATES ARE EXCEEDED

AMEL CATEGORY	✓	CESSNA 208/208B FITTED WITH PT6A-114,-114A,-140 ENGINE
		ROBINSON R66 FITTED WITH RR300 ENGINE
		AIRBUS EC130T2 FITTED WITH ARRIEL 2D ENGINE
		BELL 212/412 FITTED WITH PT6T SERIES ENGINE
		AVIONIC-INSTRUMENT/RADIO
		AS 350/ AS355 WITH ARRIEL 2/ ARRIUS 1 /ALLISON 250 SERIES ENGINE
		PILATUS PORTER PC-6 WITH PT6 ENGINE

SCOPE

A & E	Appendix 1(A,B,C,D,E), 5 (A,B), 6, 7(A,B), 10(A,B,C), 11(B).
IERA	

Holder signature

Chief Inspector signature



Issued Date : 20 April 2021

Note 1: On termination of service with Smart Cakrawala Aviation, the Authorization & stamp shall return to Chief Inspector.

Note 2: Company Maintenance Authorization and Stamp issued by Chief Inspector are properties of the Company Smart Cakrawala Aviation unless been withdrawn, suspended, revoked or returned to QA.

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PT SMART CAKRAWALA AVIATION AMO 1450 – 1003

COMPANY MAINTENANCE AUTHORIZATION - CMA

APPENDIX 1:

Maintenance Release and Return to Service Cessna

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Preflight and Daily Inspection.
- C. Airframe Inspection for ID 0A, ID 01, ID 02, ID 04, ID 05, ID 06, ID 07, ID 08, ID 09, ID 10, ID 11, ID 12, ID 13, ID 14, ID 15, ID 16, ID 17, ID 18, ID 19, ID 20, ID 21, ID 22, ID 23, ID 24, ID 25, ID 26, MA, MB, MD, ME, MF, MG, MH, MI, MJ, MK, ML.

Maintenance Release and Return to Service Pratt and Whitney

Engine Inspection up to Minor Inspection

- D. 100 Hours Inspection up to 1000 Hours Inspection.
- E. Hot Section Inspection (HSI) include Authorized Release Certificate.

APPENDIX 2:

Maintenance Release and Return to Service Robinson

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Airframe Inspection up to 100 hours or 12 months.

Maintenance Release and Return to Service RR300

- C. Engine Inspections up to 200 hours or 12 months.

APPENDIX 3:

Maintenance Release and Return to Service Airbus Helicopter

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Airframe Inspection up to 600 hours, 24 months, 600 hours/24 months, 1 OPC, 1,000 OPH.
- C. Airframe Inspection up to 1200 hours.
- D. 48 months, 1,200 hours/48 months.

Maintenance Release and Return to Service Arriel 2D

Engine Inspections up to 800 hours or 24 months

- E. Engine Inspections up to 6,000 hours or 180 months.

APPENDIX 4:

Compass compensation and adjustment, this includes:

- A. Direct reading compasses.
- B. Remote reading compasses.
- C. Preparation of deviation cards.

APPENDIX 5:

Borescope

- A. Engine Full borescope inspection including assessment limitation.
- B. Airframe Full borescope inspection including assessment limitation.

APPENDIX 6:

Required Inspection Item.

APPENDIX 7:

Engine Ground Run

- A. Idle Power only.
- B. Full Power.

APPENDIX 8:

Weight and Balance.

APPENDIX 9:

- A. Electrical power generation and distribution systems including the use of external test equipment. This includes but is not restricted:

- Aircraft lighting system
- Zonal inspection of wire bundles
- Bonding test using a conductivity tester
- Soldering, crimping or inspection of wiring
- Igniter lead changes.

- B. Including electrical components in mechanical systems.

- C. Instrument systems.

- D. Autopilot system.

- E. Radio communication and navigation systems.

- F. Radio radar systems.

- G. Checks and replacement of Radio communication/navigation /Radio radar system LRUs in accordance with AMM provided that the satisfactory function of these is either self-evident or can be verified using BITE tests.

APPENDIX 10:

Servicing & Miscellaneous

- A. Push-outs and Towing.
- B. Special vehicle ramp activities.
- C. Inspection after De-icing/Anti-icing.

Appendix 11:

Propeller

- A. Workshop-Disassembly/Assembly.
- B. Line-Removal, Installation, Adjustment and Test.
- C. Workshop-Issuance Authorized Release Certificate.

APPENDIX 12:

Maintenance Release and Return to Service BELL

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).

- B. Airframe Inspection up to 5000 Hours or 5 Years.

Maintenance Release and Return to Service Pratt and Whitney

- C. Engine Inspections up to 2500 hours.

APPENDIX 13:

Workshop

- A. Instrument
- B. Radio

APPENDIX 14:

Maintenance Release and Return to Service A330/A335

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).

- B. Airframe Inspection up to 4500 Hours or 4 Years.

Maintenance Release and Return to Service Arriel 2/Arriel 1/Allison 250 Series

- C. Engine Inspections up to 2500 hours.

APPENDIX 15:

Maintenance Release and Return to Service Pilatus Porter PC-6

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).

- B. Preflight and Daily Inspection.

Maintenance Release and Return to Service Pratt and Whitney

Engine Inspection up to Minor Inspection

- C. 100 Hours Inspection up to 1000 Hours Inspection.

- D. Hot Section Inspection (HSI) include Authorized Release Certificate.



PT SMART CAKRAWALA AVIATION AMD 14SD - 1003

COMPANY MAINTENANCE AUTHORIZATION - CMA

Reference Number: SCA-CI/012/20-Rev.02



NAME	: Mr. Bramono Ony Trianto	STAFF No.	: 10819049	AMEL No.	: 5709	AMEL exp. Date	: 19 Aug 2023
CMA Initial Issued Date	: 18 Nov 2020	STAMP No	: M-12 R-12	CMA expiry date	: 28 Jan 2023	CONF. TRNG expiry date	: 28 Jan 2023

AUTHORIZATION INVALID WHEN ANY OF THE ABOVE DATES ARE EXCEEDED

AMEL CATEGORY	✓	CESSNA 208/208B FITTED WITH PT6A-114,-114A,-140 ENGINE
		ROBINSON R66 FITTED WITH RR300 ENGINE
		AIRBUS EC130T2 FITTED WITH ARRIEL 2D ENGINE
		BELL 212/412 FITTED WITH PT6T SERIES ENGINE
		AVIONIC-INSTRUMENT/RADIO
		AS 350/ AS355 WITH ARRIEL 2/ ARRIUS 1 /ALLISON 250 SERIES ENGINE
		PILATUS PORTER PC-6 WITH PT6 ENGINE

SCOPE

A & E	Appendix 1(A,B,C,D,E), 5 (A,B),6, 7(A,B),10(A,B,C), 11(B).
IERA	

Holder signature		Chief Inspector signature		Issued Date : 20 Aug 2021
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PT SMART CAKRAWALA AVIATION AMO 145D - 1003

COMPANY MAINTENANCE AUTHORIZATION - CMA

APPENDIX 1:

Maintenance Release and Return to Service Cessna

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Preflight and Daily Inspection.
- C. Airframe Inspection for ID 0A, ID 01, ID 02, ID 04, ID 05, ID 06, ID 07, ID 08, ID 09, ID 10, ID 11, ID 12, ID 13, ID 14, ID 15, ID 16, ID 17, ID 18, ID 19, ID 20, ID 21, ID 22, ID 23, ID 24, ID 25, ID 26, MA, MB, MD, ME, MF, MG, MH, MI, MJ, MK, ML.

Maintenance Release and Return to Service Pratt and Whitney Engine Inspection up to Minor Inspection

- D. 100 Hours Inspection up to 1000 Hours Inspection.
- E. Hot Section Inspection (HSI) include Authorized Release Certificate.

APPENDIX 2:

Maintenance Release and Return to Service Robinson

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
 - B. Airframe Inspection up to 100 hours or 12 months.
- #### Maintenance Release and Return to Service RR300
- C. Engine inspections up to 200 hours or 12 months.

APPENDIX 3:

Maintenance Release and Return to Service Airbus Helicopter

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
 - B. Airframe Inspection up to 600 hours, 24 months, 600 hours/24 months, 1 OPC, 1,000 GPH.
 - C. Airframe Inspection up to 1200 hours.
 - D. 48 months, 1,200 hours/48 months.
- #### Maintenance Release and Return to Service Arriel 2D
- E. Engine inspections up to 800 hours or 24 months.
 - F. Engine inspections up to 6,000 hours or 180 months.

APPENDIX 4:

Compass compensation and adjustment, this includes:

- A. Direct reading compasses.
- B. Remote reading compasses.
- C. Preparation of deviation cards.

APPENDIX 5:

Borescope

- A. Engine Full borescope inspection including assessment limitation.
- B. Airframe Full borescope inspection including assessment limitation.

APPENDIX 6:

Required Inspection Item.

APPENDIX 7:

Engine Ground Run

- A. Idle Power only.
- B. Full Power.

APPENDIX 8:

Weight and Balance.

APPENDIX 9:

- A. Electrical power generation and distribution systems including the use of external test equipment. This includes but is not restricted:
 - Aircraft lighting system
 - Zonal inspection of wire bundles
 - Bonding test using a conductivity tester
 - Soldering, crimping or inspection of wiring
 - Igniter lead changes.
- B. Including electrical components in mechanical systems.
- C. Instrument systems.
- D. Autopilot system.
- E. Radio communication and navigation systems.
- F. Radio radar systems.
- G. Checks and replacement of Radio communication/navigation /Radio radar system LRUs in accordance with AMM provided that the satisfactory function of these is either self-evident or can be verified using BITE tests.

APPENDIX 10:

Servicing & Miscellaneous

- A. Push-outs and Towing.
- B. Special vehicle ramp activities.
- C. Inspection after De-icing/Anti-icing.

Appendix 11:

Propeller

- A. Workshop-Disassembly/Assembly.
- B. Line-Removal/Installation, Adjustment and Test.
- C. Workshop-Issuance Authorized Release Certificate.

APPENDIX 12:

Maintenance Release and Return to Service BELL

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
 - B. Airframe Inspection up to 5000 Hours or 5 Years.
- #### Maintenance Release and Return to Service Pratt and Whitney
- C. Engine inspections up to 2500 hours.

APPENDIX 13:

Workshop

- A. Instrument
- B. Radio

APPENDIX 14:

Maintenance Release and Return to Service AS350/AS355

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
 - B. Airframe Inspection up to 4500 Hours or 4 Years.
- #### Maintenance Release and Return to Service Arriel 2/Arriel 1/Allison 250 Series
- C. Engine inspections up to 2500 hours.

APPENDIX 15:

Maintenance Release and Return to Service Pilatus Porter PC-6

- A. Line Maintenance including defect rectification limited to Line Replacement (LRU) in accordance with Continuous Maintenance Program (CMP).
- B. Preflight and Daily Inspection.

Maintenance Release and Return to Service Pratt and Whitney

- Engine Inspection up to Minor Inspection
- C. 100 Hours Inspection up to 1000 Hours Inspection.
- D. Hot Section Inspection (HSI) include Authorized Release Certificate.

PT. SMART CAKRAWALA AVIATION - AMO
AUTHORIZED RELEASE CERTIFICATE (ARC) REGISTER RECORD

S. No	FORM TRACKING NUMBER	WORK ORDER CONTRACT/ INVOICE NUMBER	DATE W.O	NOMENCLATURE	PART NUMBER	SERIAL NUMBER	A/C REG.	STATUS/ WORK	REMARKS	MAN HRS	RELEASED BY
1	SCA-MTC-015/1	HSI-018/SCA/XI/2020	17 Nov 2020	Engine – Hot Section Inspection	3044000	PCE-PC2327	PK-SNK	Inspection	Interval 1800 HRS	180 Mhrs	Mr. Bramono Ony Trianto
2	SCA-MTC 015/2	HSI-019/SCA/XII/2020	14 Dec 2020	Engine – Hot Section Inspection	3076226-01	PCE-VA0546	PK-SNP	Inspection	Interval 2000 HRS	180 Mhrs	Mr. Agus Sulaeman
3	SCA-MTC 015/3	HSI-020-SCA-XII-2020	17 Dec 2020	Engine – Hot Section Inspection	3044000	PCE-PC2316	PK-SNM	Inspection	Interval 1800 HRS	180 Mhrs	Mr. Bramono Ony Trianto
4	SCA-MTC 015/4	017/SAM/W.O.W/XII/2020	28 Dec 2020	Engine – Hot Section Inspection	3044000	PCE-PC2260	PK-SMW	Inspection	Interval 1800 HRS	180 Mhrs	Mr. Bramono Ony Trianto
5	SCA-MTC 015/5	MBA-PROC/008/XII/2021	22 Jul 2021	Engine – Hot Section Inspection	3076226-01	PCE-VA0073	PK-HVT	Inspection	Interval 2000 HRS	180 Mhrs	Mr. Bramono Ony Trianto
6	SCA-MTC 015/6	W.O-077-SNS-VII-2021	21 Jul 2021	Engine – Hot Section Inspection	3044000	PCE-PC1288	PK-SNS	Inspection	Interval 1800 HRS	180 Mhrs	Mr. Bramono Ony Trianto
7	SCA-MTC 015/7	W.O-046-SNV/VII/2021	20 Jul 2021	Engine – Hot Section Inspection	3076226-01	PCE-PC1288	PK-SNV	Inspection	Interval 2000 HRS	180 Mhrs	Mr. Bramono Ony Trianto
8	SCA-MTC 015/8	W.O/037-SNH/XII/2021	21 Dec 2021	Engine – Hot Section Inspection	3076226-01	PCE-VA0562	PK-SNH	Inspection	Interval 2000 HRS	180 Mhrs	Mr. Agus Sulaeman

WORK ORDER RECORD REGISTER

S.No	CUSTOMER	A/C REG	TRACING ARC REFERENCE NUMBER	DESCRIPTION WORK	LOCATION WORK	DATE PERFORMED
1	PT.SCA	PK-SNK	SCA-MTC-015/1	Hot Section Inspection	Hangar C Balikpapan	21-25 November 2020
2	PT.SCA	PK-SNP	SCA-MTC-015/2	Hot Section Inspection	Hangar Demonim Nabire	17-20 December 2020
3	PT.SCA	PK-SNM	SCA-MTC-015/3	Hot Section Inspection	Hangar Demonim Nabire	22-25 December 2020
4	PT.SAM	PK-SMW	SCA-MTC-015/4	Hot Section Inspection	Hangar Demonim Nabire	28-31 December 2020
5	PT.MBA	PK-HVT	SCA-MTC-015/5	Hot Section Inspection	Hangar Demonim Nabire	27-31 July 2021
6	PT.SCA	PK-SNS	SCA-MTC-015/6	Hot Section Inspection	Hangar Demonim Nabire	01-07 August 2021
7	PT.SCA	PK-SNV	SCA-MTC-015/7	Hot Section Inspection	Hangar Demonim Nabire	08-12 August 2021
8	PT.SCA	PK-SNH	SCA-MTC-015/8	Hot Section Inspection	Hangar Demonim Nabire	16-21 December 2021



PT. SMART CAKRAWALA AVIATION

WORK ORDER

Form: SCA/MTC/030

Subject : Engine PT6A-140 Hot Section Inspection Due at 2000 FH.	No.	WO/037-SNH/XII/2021
	Date	09-Dec-2021
	A/C Reg.	PK-SNH C208B-5587
Reference : MP C208B REV. 10	Prepared By	TS
	Checked By	CI
	Approved By	TM
To : AMO – PT. Smart Cakrawala Aviation		
Description : 1. Perform Engine PT6A-140 Hot Section Inspection Due at 2000 Hours at Nabire Hangar Facility. PART NUMB. / MODEL : P&WC PT6A-140 SER. NUMB. : PCE-VA0662 TSN : 2048:16 Hours TSO : _ Hours CSN : 2965 Cycle CSO : _ Cycle		
Additional Work : 1. Thermocouple replacement probe 5 o'clock position due to open circuit 2. RH igniter out of limit/worn out		
Compliance Statement WO carried out as per EMM PT6A-140 rev. 14.0 found within limit.	Sign & Date Company Lic. No.:   (Engineer In Charge) AGUS SULAELMAN	Signature (Technical Manager)



RECTIFICATION WORK ORDER

NO: HSI-045/SCA/XII/2021

Date : 09 December 2021		Aircraft Reg : PK-SNH			
Customer: PT Smart Cakrawala Aviation		Order Number : WO/037-SNH/XII/2021			
Address: Smartdeal Building 4th Floor, Jl Cideng Timur No. 16A, Jakarta		Nomenclature: Engine - Hot Section Inspection			
Part. No. / Model: PT6A-140		Serial No. : PCE-VA0662			
Job Description Complaint		Inspection : Other work :			
THERMOCOUPLE AT 5 O'CLOCK FOUND OPEN		REPLACED THERMOCOUPLE PROBE			
CIRCUIT / MEASUREMENT RESISTANCE FAIL		WITH NEW.			
RH IGNITER OUT OF LIMIT / WORN OUT.		REPLACED IGNITER WITH NEW			
		Working Time			
Work Done by	From	To	hours	Over time	Total
AGUS SULAEMAN	10:00	12:00	2	-	2
FEBRI HERMAWAN	13:00	14:00	1	-	1
MATERIAL USED					
Part number	Serial Number	Description	Quantity		
302298A	NSN	THERMOCOUPLE	1 ea		
CH3A055	NSN	IGNITER	1 ea		
The work done and material supplied as specified above has been approved by me			AMO PT.SCA Under takes to perform the work and/or supply the goods		
Signature of customer or his representative			Signature of responsible employee		
 (RIDZAL GHAZALI)			 (AGUS SULAEMAN)		

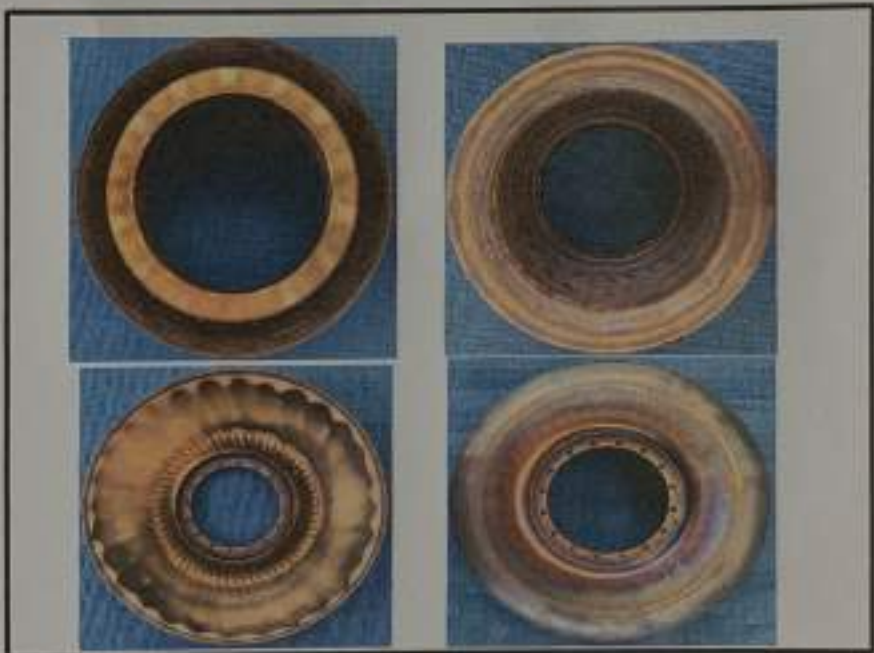
		HOT SECTION INSPECTION (PT6A-140) The purpose of this form is to <u>record</u> that the activities have been performed <u>in accordance with the P&WC Maintenance Manual Turboprop Gas Turbine Engine Model PT6-Series</u>. For the correct methods, fits and clearances, torque figures, safety locking requirements, lubrications, sealants etc. refer to the appropriate manual sections.	
REFERENCE: P&WC MM PN. 3075742 Task 72-00-00-280-812			
Customer	PT. Smart Cakrawala Aviation	Engine Model	PT6A-140
Aircraft Registration	PK-SNH	A/C TTIS.	2048:16
Engine SN.	PCE-VA0662	A/C Landing.	2965
Engine TSN	2048:16	Date Performed.	3 – 7 January 2020
Engine CSN	2965	Work. No.	WO/037-SNH/XII/2021
• REMOVAL INSPECTION			
No.	Description	Stamp Eng.	
1.	Ground Performance Run. Note: Perform for Normal Schedule Only		
2.	Remove Externals.		
3.	Remove Power Section.		
4.	Record CT Blade Tip Clearance. "Form CT BLADE TIP CLEARANCE – ASSEMBLY" Note: Minimum Clearance 0.019 in. (0.482 mm)		
5.	Remove CT Disk Assembly		

6.	Remove Fuel Nozzles.	
7.	Remove Ignitor Plugs.	
8.	Remove Compressor Turbine Stators.	
7	Remove Combustion Chamber Inner Liner.	
8.	Remove Large Exit Duct	
9.	Test T5 Harness / Thermocouples	

• INTERNAL COMPONENT INSPECTION

B.1. Gas Generator Case

1.	Examine for general condition, including cracks, distortion, corrosion and evidence of overheating. <u>Note:</u> No Defect Found 	
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2.	Removed Parts Records. <table border="1" data-bbox="252 383 1034 510"> <thead> <tr> <th>Description</th> <th>PN</th> <th>SN</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	Description	PN	SN	Qty	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Description	PN	SN	Qty											
N/A	N/A	N/A	N/A											
N/A	N/A	N/A	N/A											
B.2. Combustion Chamber Liners, Large and Small Exit Ducts.														
1.	Examine for general condition, including cracks, distortion, burning, blockage of cooling holes due to repair and coating loss. Any amount of coating loss is acceptable provided burning of parent metal has not occurred. Verify the cooling ring gaps. <u>Note:</u> - Small exit duct found initial coating loss & cracks at 4 lip area, acceptable refer to 72-40-01 													
2.	Removed Parts Records. <table border="1" data-bbox="252 1704 1034 1832"> <thead> <tr> <th>Description</th> <th>PN</th> <th>SN</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>Tab washer</td> <td>MS9276-09</td> <td>N/A</td> <td>16ea</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	Description	PN	SN	Qty	Tab washer	MS9276-09	N/A	16ea	N/A	N/A	N/A	N/A	
Description	PN	SN	Qty											
Tab washer	MS9276-09	N/A	16ea											
N/A	N/A	N/A	N/A											

B.3. Compressor Vane Ring Assembly, Shroud Housing.

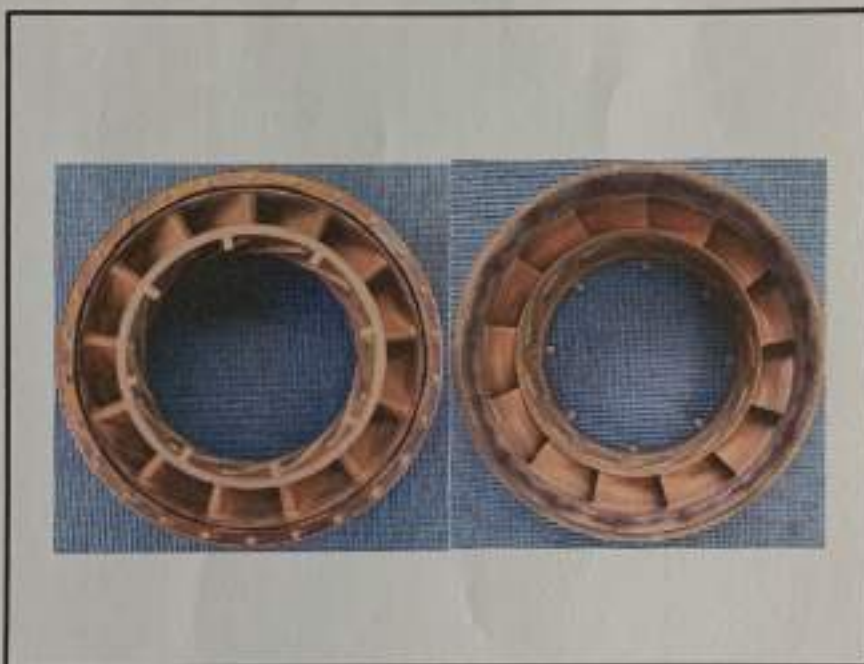
1.

Examine for general condition including cracks, coating loss, erosion of parent metal or impact damage. Examine vane ring cooling air inlet and outlet ports for blockage.



Note:

No defect found.



2.

Removed Parts Records.

Description	PN.	SN.	Qty.
Tab washer	MS9276-09	N/A	8ea
N/A	N/A	N/A	N/A



B.4. Compressor Turbine Shroud Segments.

1. Examine for general condition including cracks, distortion, erosion and metal build-up.

Note:

Average measurement within limit refer to 72-50-01 Table 204.



2. **Removed Parts Records.**

Description	PN.	SN.	Qty.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A



B.5. Compressor Turbine Disk Assembly.

1. Measure Compressor Turbine Rotor Diameter.



2. Examine CT blades for tip rub, erosion, impact damage, coating loss, cracks, shift and circumferential movement. If a crack is found on any blade, ship the CT disk assembly to an approved overhaul facility. The complete set of blades must be discarded and replaced with a new set of CT blades.



3.	Examine blade retaining rivets for condition.													
4.	Removed Parts Records. <table border="1"> <thead> <tr> <th>Description</th> <th>PN.</th> <th>SN.</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td>Cup Washer</td> <td>3009022</td> <td>N/A</td> <td>1 ea</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	Description	PN.	SN.	Qty.	Cup Washer	3009022	N/A	1 ea	N/A	N/A	N/A	N/A	
Description	PN.	SN.	Qty.											
Cup Washer	3009022	N/A	1 ea											
N/A	N/A	N/A	N/A											
B.6. Inter stage Sealing Rings.														
1.	Examine for general condition including Wear, fretting and distortion. Note: No found defect, seal ring measurement within limit. 													
2.	Removed Parts Records. <table border="1"> <thead> <tr> <th>Description</th> <th>PN.</th> <th>SN.</th> <th>Qty.</th> </tr> </thead> <tbody> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	Description	PN.	SN.	Qty.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Description	PN.	SN.	Qty.											
N/A	N/A	N/A	N/A											
N/A	N/A	N/A	N/A											

B.7. Fuel Nozzles, Fuel Nozzle Sheaths

1. Dissimilarity of carbon build-up. Perform functional test or replaced with serviceable set of cleaned and inspected fuel nozzle set.



2. Examine for general condition including Fretting wear, erosion and carbon build-up.

Note:
No found defect



3. **Removed Parts Records.**

Description	PN	SN	Qty
Packing	ST6202-009	N/A	58ea
Gasket	3029566	N/A	14ea

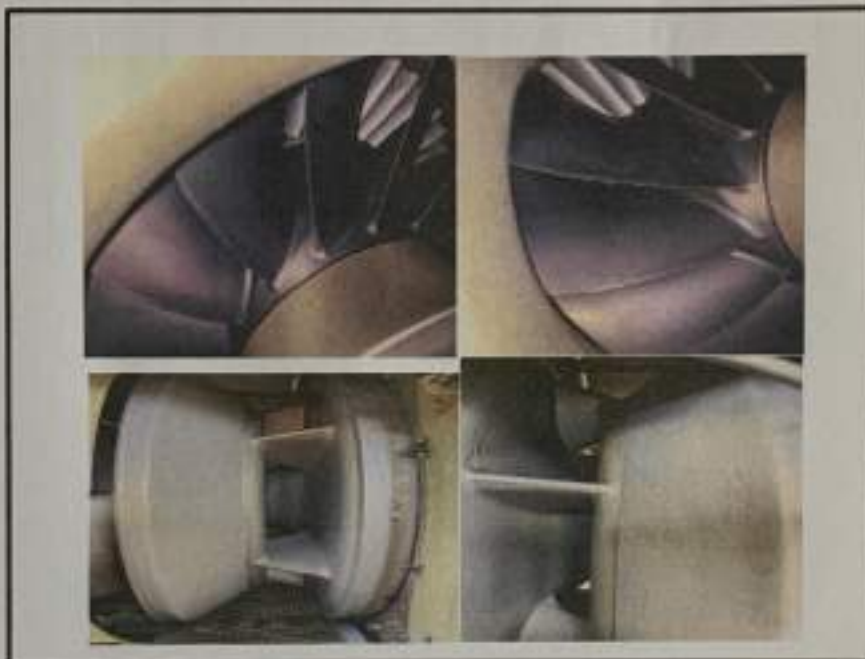


B.8. Compressor Inlet.

1. Remove air inlet screen, examine inlet area and struts, first-stage blades and vanes for dirt deposits, corrosion and cracks.

Note:

No defect found.



2. **Removed Parts Records.**

Description	PN.	SN.	Qty.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

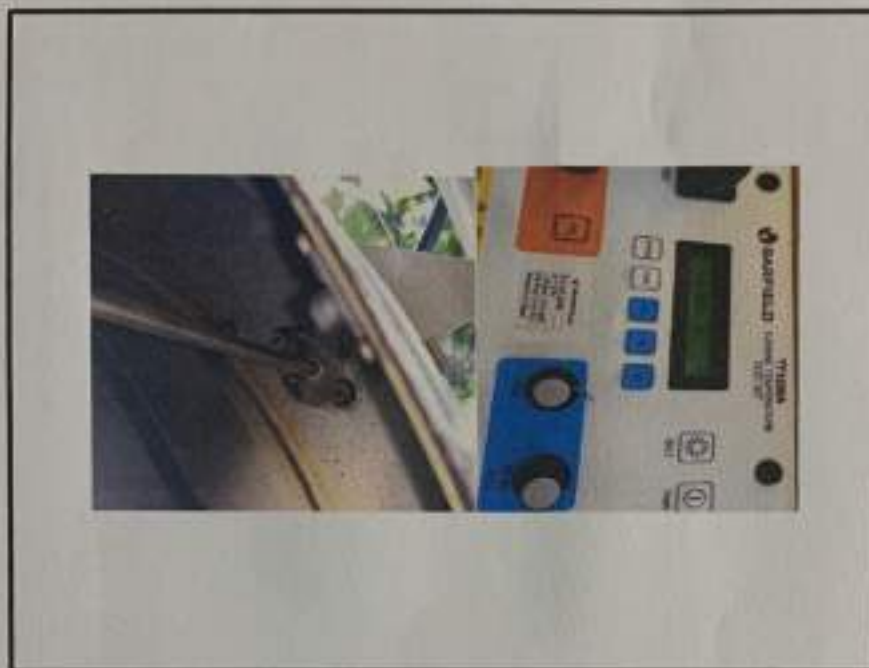


B.9. Trim Thermocouple.

1. Check attachment of lugs and leads. Carry out operational check.

Note:

No defect found.



2. **Removed Parts Records.**

Description	PN.	SN.	Qty.
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A



A. Power Section Module

C.1. Power Turbine Stator Housing

1. Cracks, none permitted. Check for proper sealing with inter stage sealing rings.

Note:

No defect found.



2. **Removed Parts Records.**

Description	PN	SN	Qty
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A



C.2. T5 Temperature Sensing System

1. Attachment, wiring harness and lugs. Check operation.

Note:

Thermocouple probe measurement found 1ea resistance failure position 5 o'clock. Replaced with new thermocouple.



C.3. Power Turbine Disk Assembly

1. Examine for general condition Blades for impact damage, erosion and cracks.

Note:

No damage, erosion and cracks found.



C.4. Power Turbine Stator Assembly

1. Examine for general condition Cracks, erosion and impact damage.

Note:

No defect found.



C.5, Exhaust Duct.

1. Examine for general condition Cracks and distortion.

Note:

No cracks and distortion found.



C.6, Reduction Gearbox Oil Strainer.

1. Remove and examine assembly for foreign matter.

Note:

No foreign matter/metal debris found.



C.7. Chip Detector

1. Remove and inspect chip detector for metal deposits.

Note:

No metal deposits found.



2. Removed Parts Records.

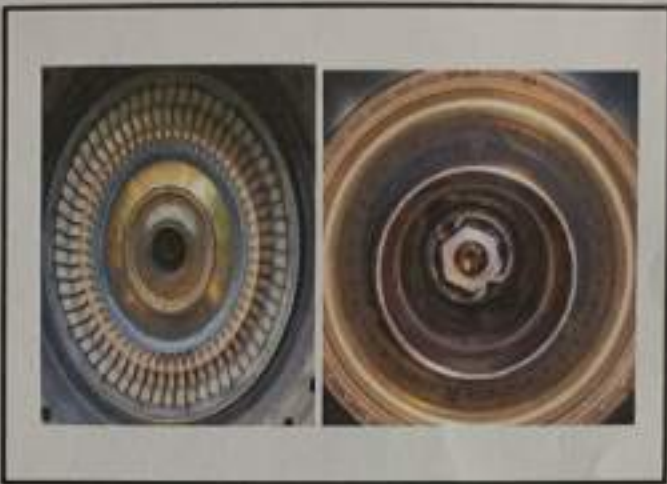
Description	PN	SN	Qty
Packing	AS3209-011	N/A	2ea
Packing	ST6202-113	N/A	1ea



• INSTALLATION INSPECTION

No.	Description	Stamp	
		Eng.	R11
1.	Install Large Exit Duct		
2.	Install Combustion Liner		
3.	Install Fuel Nozzles		

4.	Install Ignitor Plugs		
5.	Install Compressor Turbine Stator		
6.	Checking locking of Tabwashers. Installed & Locked Tabwashers 		
7.	Verify cleanliness of mating surface between CT disk and stubshaft		
8.	Install CT dis Assembly		
9.	Record CT Blade Tip Clearance "Form CT BLADE TIP CLEARANCE – ASSEMBLY"		

10.	Check locking of cupwasher Installed & locked cupwasher 		
11.	Test T5 Assembly		
12.	Install Power Section		
13.	Test T5 Assembly		
13.	Install Externals		
14.	Ground power check.		
MAINTENANCE RELEASE I hereby certify that the aircraft has been maintained in accordance with the PW&C Engine Maintenance Manual and is determined to be for Return to Service. Name & Stamp: <u>AGUS SULAERMAN</u>  Date: <u>07 JAN 2022</u>			



CT BLADE TIP CLEARANCE DISASSEMBLY

REF FORM SCA-MTC 089 -
HOT SECTION INSPECTION
ITEM NO. A-4

JOB. NO:	CUSTOMER:	ENGINE MODEL:	ENGINE SN:
WO/037-SNH/XII/2021	PT. SMART CAKRAWALA AVIATION	PT6A-140	PCE-VA0622

CAUTION THIS WORKSHEET SERVES AS RECORD OF COMPLIANCE AND SHOULD BY NO MEANS BE USED AS REFERENCE DOCUMENT FOR CARRYING OUT ENGINE BUILD. THE MAINTENANCE/OVERHAUL MANUAL SHOULD AT ALL TIMES BE REFERRED TO FOR DETAILED INSTRUCTION

NOTE: CHECK SERVICE BULLETIN STATUS FOR CORRECT TIP CLEARANCE

RECORD MINIMUM REQUIRED: 0.019"

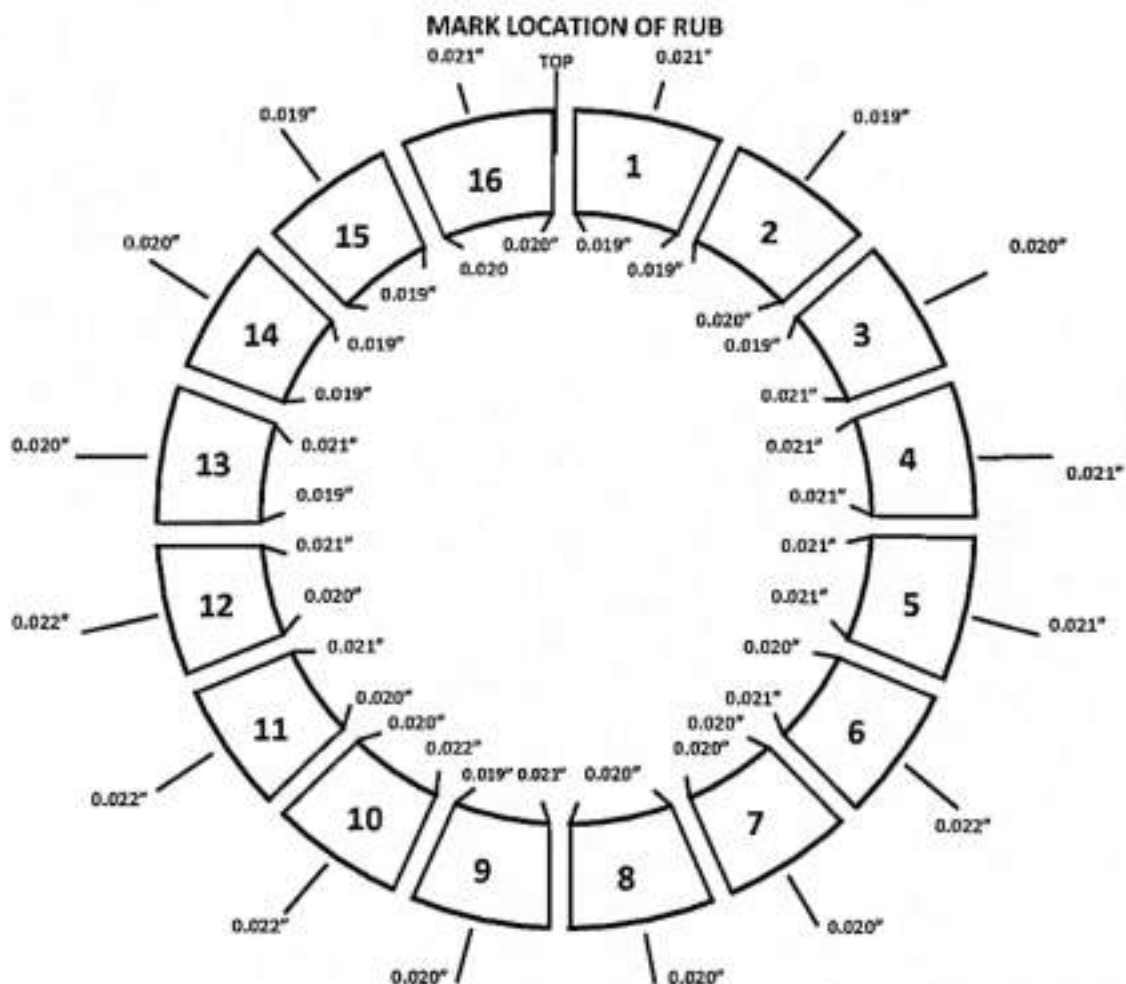
MINIMUM TIP CLEARANCE: 0.019"

MAXIMUM TIP CLEARANCE: 0.022"

MUST BE RESPECTED AT ALL POINTS

(Disc loaded in direction of measurement)

AVERAGE TIP CLEARANCE: 0.020"



NOTE: During tip clearance checks, if the measurement is less than minimum.

*Remove CT Disc and reindex shroud assembly to better centralize.

*Recheck clearance and grind localized high spots as necessary

DATE:

04 JANUARY 22

ENGINEER STAMP/SIGN:





CT BLADE TIP CLEARANCE ASSEMBLY

REF FORM SCA-MTC 089 –
HOT SECTION INSPECTION
ITEM NO. A-4

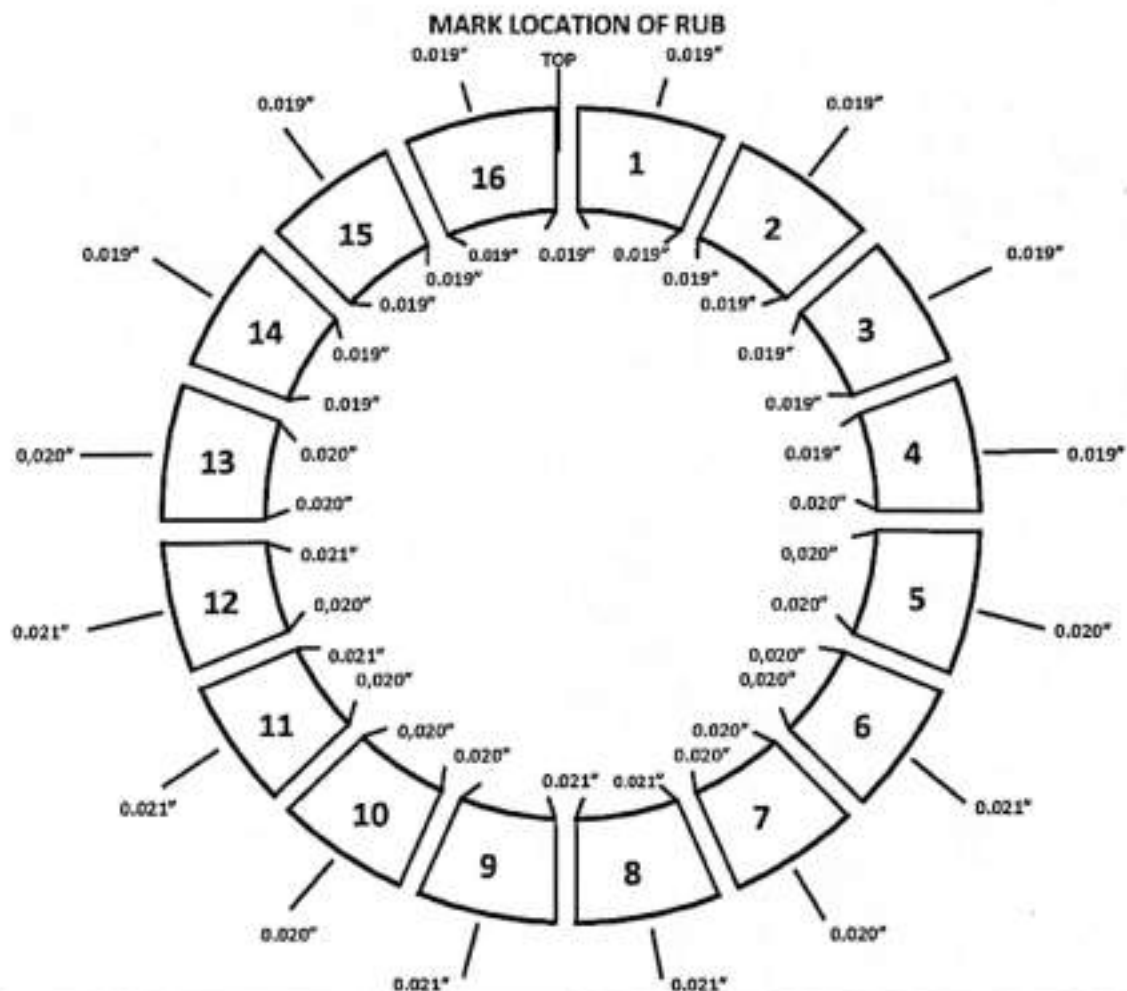
JOB. NO:	CUSTOMER:	ENGINE MODEL:	ENGINE SN:
WO/037-SNH/XII/2021	PT. SMART CAKRAWALA AVIATION	PT6A-140	PCE-VA0622

CAUTION THIS WORKSHEET SERVES AS RECORD OF COMPLIANCE AND SHOULD BY NO MEANS BE USED AS REFERENCE DOCUMENT FOR CARRYING OUT ENGINE BUILD. THE MAINTENANCE/OVERHAUL MANUAL SHOULD AT ALL TIMES BE REFERRED TO FOR DETAILED INSTRUCTION

NOTE: CHECK SERVICE BULLETIN STATUS FOR CORRECT TIP CLEARANCE

RECORD MINIMUM REQUIRED: **0.019"**
MINIMUM TIP CLEARANCE: **0.019"**
MAXIMUM TIP CLEARANCE: **0.021"**

MUST BE RESPECTED AT ALL POINTS
(Disc loaded in direction of measurement)
AVERAGE TIP CLEARANCE: 0.020"



NOTE: During tip clearance checks, if the measurement is less than minimum.

- *Remove CT Disc and reindex shroud assembly to better centralize.
- *Recheck clearance and grind localized high spots as necessary

DATE:	06 JANUARY 22	ENGINEER STAMP/SIGN:	 
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ACFT REG : PK - SNH

JOB NO : WO/037-SNH/X11/2021

ADD WORK SHEET NO : 1

ITEM No.	WORK REQUIRED	RECTIFICATION	PART No	SERIAL No	CERTIFICATION
	THERMOCOUPLE	REPLACED THERMOCOUPLE	OFF: 3022983	OFF: NSN	MECH  DATE 05 JAN 22
	FIND OPEN CIR	LE PROBE WITHIN REQ	ON: 3022984	ON: NSN	
	CUIT / RESISTANCE	FUNCTIONAL CHECK	TTIS:	2048:16	INSP  LIC No 644A
1	CHECK FAILURE	OK.	Landings:	2965	
	AT 5 O'CLOCK.		Release Doc S/N:		AMM: 77-20-00
	RH IGNITER	REPLACED RH	OFF: CH34055	OFF: NSN	MECH  DATE 07 JAN 22
	OUT OF LIMIT/	IGNITER WITH	ON: CH34055	ON: NSN	
2	WORN OUT.	NEW. OPS CHECK	TTIS:	2048:16	INSP  LIC No 644A
		GOOD.	Landings:	2965	
			Release Doc S/N:		AMM:
			OFF:	OFF:	MECH DATE
			ON:	ON:	
			TTIS:		INSP LIC No
			Landings:		
3			Release Doc S/N:		AMM:

Coordinator Signature: 

Licence No: 644A

Date: 07 JAN 22

For and on behalf of AMO PT SCA

INSP SIGNATURE MUST BE AMEL HOLDER RATED ON THE TYPE

LIST OF TOOLS/EQUIPMENTS HOT SECTION INSPECTION AT NABIRE DATE: 03-07 JAN 2022

No	DESCRIPTION	NAME MANUFACTURER & ADDRESS	PART NUMBER	SERIAL NUMBER	QTY.	CLASSIFICATION (X)			CAL. DATE	CAL. DUE	LOCATION	EFFECTIVITY
						GENERAL	SPECIAL	PRECISION				
1	Digital Turbine Temperature Test Set	Barfield	TT1200A / 101-00930	1792	1 unit			X	11/01 / 2021	31/10 2022	NBX	
2	Torque Wrench	Snap On	QD150	0619904133	1 unit			X	31/04 / 2021	31/04/ 2023	NBX	
3	Torque Wrench	Blue Point	BP501NMRM	1215501579	1 unit			X	18/06 /2021	18/06/ 2023	NBX	
4	Torque Wrench	Krisbow	10268841	2003050150136	1 unit			X	OCT 20	OCT 2022	NBX	
5	Torque Wrench	Blue point	KW0102971	2106624151	1 unit			X	NEW	SEPT 2023	NBX	
6	Vernier Caliper	Mitutoyo	CD-6"ASX	A18178449	1 unit			X	JUN 2021	JUN 2023	NBX	
7	Feeler Gauge	Double Ace	UNK	SCA.FG 005	1 set			X	N/A	N/A	NBX	
8	Puller	Kellstrom	PWC71559	NSN	1 ea		X		N/A		NBX	
9	Wrench	Kellstrom	PWC30331	NSN	1 ea		X		N/A		NBX	
10	Spreader	Kellstrom	PWC30335	NSN	1 ea		X		N/A		NBX	

LIST OF TOOLS/EQUIPMENTS **HOT SECTION INSPECTION AT NABIRE**

DATE: 03-07 JAN 2022

11	Protector Sleeve	Kellstrom	PWC30336	NSN	1 ea		X		N/A		NBX	
12	Puller	Kellstrom	PWC30403	NSN	1 ea		X		N/A		NBX	
13	Fuel Nozzle Cleaner	Kell-Strom	PWC30506	NSN	1 unit		X		N/A		NBX	
14	Fuel Nozzle Sheat	Kell-Strom	PWC30416	NSN	1 ea		X		N/A		NBX	



ENGINE RUN PERFORMANCE SHEET

PT6A POWER ASSURANCE CHECK

A/C REG: PK-SNH A/C SN: 208B-5587	ENGINE MODEL (TICK (✓) IF APPLICABLE)		ENGINE SN: PCE-VA0662	ENGINE RECORDS
	PT6A-114	:		
	PT6A-114A	:		
	PT6A-140	: ✓		
			TSN: 2048:16	
			T50: _	
			CSN: 2965	
			CSO: _	

DATE PRE-INSPECTION	: 03 JAN 22	DATE POST-INSPECTION	: 07 JAN 22
LOCATION	: NABIRE	LOCATION	: NABIRE
CYCLES	: 1	CYCLES	: 2
OAT	: 38°C	OAT	: 36°C
PRESSURE ALTITUDE	: 40 FT	PRESSURE ALTITUDE	: 40 FT
FIELD BAROMETER	: 1007 HPA	FIELD BAROMETER	: 1007 HPA
A/C HEADING	: 341°	A/C HEADING	: 340°
WIND DIRECTION	: 150°	WIND DIRECTION	: 155°
WIND SPEED	: CALM	WIND SPEED	: CALM

PRE-INSPECTION			POST-INSPECTION		
TARGET VALUES		OBSERVED VALUES	TARGET VALUES		OBSERVED VALUES
TQ (%)	: 2397	TQ (%)	: 2397	TQ (%)	: 2397
ITT (°C)	: 844	ITT (°C)	: 842	ITT (°C)	: 834
NG (%)	: 102.6	NG (%)	: 102.6	NG (%)	: 101.2
NP (%)	: 1900	NP (%)	: 1900	NP (%)	: 1870
OIL PRESS (PSI)		OIL PRESS (PSI)		OIL PRESS (PSI)	: 92
OIL TEMP (°C)		OIL TEMP (°C)		OIL TEMP (°C)	: 77
START TEMP (°C)		START TEMP (°C)		START TEMP (°C)	: 731
FUEL FLOW (PPH or Kg/hr)	: 560	FUEL FLOW (PPH or Kg/hr)	: 565	FUEL FLOW (PPH or Kg/hr)	: 533

Refer to MM

71-00-01-5

Results PRE:

Refer to MM

71-00-01-5

Results POST:



RETURN TO SERVICE

AIRCRAFT TYPE : **C208B EX** REGN NO : **PK-SNH**
CUSTOMER : **PT. SMART CAKARAWALA AVIATION** AIRFRAME HRS : **2048:16**
AIRFRAME CYCLES: **2965** ENGINE HRS & CYCLES : **2048:16 & 2965**
TYPE OF WORK : **HOT SECTION INSPECTION**
MANUAL REFERENCE : **PT6A-140 EMM Chapter 72-00-00 Part Number 3075742 Rev. 14.0 , MARCH 22 2021**
NEXT INSPECTION : **100 Hrs inspection**

The aircraft airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current instructions contained in the operator maintenance manual, the maintenance rules of the DGAC under which the operator is certificated and is determined to be approved for return to service except as specified in deferred defect list. Pertinent details of the repair are on file at this AMO under work.

Order No. : **WO/037-SNH/XII/2021**

Date : **07 JAN 2022**

Signed
and
Stamp:



AGUS SULAEMAN

(Signature of authorized representative)

For :

**PT.SMART CAKRAWALA AVIATION
DGAC 145D/1003**

(Approve Maintenance Organization name & certification number)

Gedung Smartdeal Lt.4 Jalan Cideng Timur No.16A, Jakarta Pusat 10130, Indonesia

(Address)

 1. DIRECTORATE GENERAL OF CIVIL AVIATION MINISTRY OF TRANSPORTATION REPUBLIC OF INDONESIA		2. AUTHORIZED RELEASE CERTIFICATE DGCA Form No. 21-18, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: SCA-MTC-015/8	
4. Organization Name and Address: PT Smart Cakrawala Aviation Smartdeal Building 4 th Floor Jl. Cideng Timur No.16A, Petojo Utara, Gambir, Jakarta Pusat 10130 - INDONESIA						5. Work Order/Contract/Invoice Number: WO/037-SNH/XII/2021	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:		
1	ENGINE ASSEMBLY, COMPLETE MODEL: PT6A-140	3076226-01	1	PCE-VA0622	INSPECTED		
12. Remarks: • ENGINE: Approved TBO: 4000.00; HSI INTERVAL 2000.00; ETSN 2048.16; ETSO 0.00; ECSN 2965; ECSN 0. • Item 1. Hot Section Inspection Carried out this visit as Per W.O WO/037-SNH/XII/2021 and with reference various Section of PWC Manual Part No. 3075742, Issue No. 14.0; Dated MAR-22-21. • Service Bulletin complied with this visit: NIL; AD's complied with this visit: NIL APPLY. • Thermocouple replacement due to heat response & resistance check failed Ref 77-20-01 • Small Exit Duct found initial coating loss & cracks, acceptable Refer to 72-40-01.							
13.a. Certifies the items identified above were manufactured in conformity to : ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 12.		14.a ☒ CASR Part 43.9 Return to Service. ☐ Other regulation specified in Block 12. Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in block 12 was accomplished in accordance with CASR part 43 and in respect to that work, the items are approved for return to service.					
13.b. Authorized Signature:		13.c. Approval/Authorization No.:		14.b. Authorized Signature : 		14.c. Approval/Certificate No.: 145D-1003	
13.d. Name (Typed or Printed):		13.e. Date (d/m/y) :		14.d. Name (Typed or Printed): AGUS SULASTMAN		14.e. Date (d/m/y) : 07 JAN 2022	
User/Installer Responsibilities							
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Block 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.							

CAPABILITY SELF INTERNAL EVALUATION

1. DESCRIPTION OF CAPABILITY:

Hot Section Inspection (HSI)
 Aircraft Reg. : PK-SNG
 Aircraft Model : Cessna Grand Caravan Ex
 MSN : 208B5543
 Engine Type : PT6A-140
 Engine S/N : PCE-VA0596
 Date : 30 December 2021-04 January 2022
 Place : Nabire

2. MANUFACTURE: Pratt & Whitney Canada

3. FACILITY REQUIRED: Hangar Dimonim-Nabire

4. APPROVED PUBLICATION AMM/ CMM/ OHM REQUIRED:

NO	DESCRIPTION	REVISION NO	REVISION DATE ISSUED	REMARKS
1	PWC Maintenance Manual No.3075742	14	22 Mar 2021	Nil
2	Cessna Maintenance Manual D2078-13	37	1 March 2020	Nil

5. SPECIAL TOOLS / GENERAL TOOLS / EQUIPMENTS:

NO	PART NAME	PART NUMBER	QTY REQ.	AVAILABLE	REMARK
1	HSI Tool	PWC35200-200	1set	Yes	Nil

6. MATERIALS REQUIRED

NO	PART NAME	PART NUMBER	REQ	AVAILABLE	REMARK
1	Part Kit - Hot Section Inspection	3078529-01	1 Kit	Yes	Nil

7. QUALIFIED/ TRAINED PERSONNEL:

NO	NAME OF PERSONNEL	QUALIFICATION	LICENSE	WORK-SCOPE
1	BRAMONO ONY TRIANTO	A&E	5709	C208 SERIES: • RTS • MR • RII • EGR
2	FEBRI HERMAWAN	A&E	6445	
3	AGUS SULAEMAN	A&E	6444	

I HEREBY CERTIFY THAT ALL THE REQUIREMENTS OF CIVIL AVIATION SAFETY REGULATIONS (C.A.S.R.), COMPANY PROCEDURES AND MAINTENANCE MANUAL ARE COMPLIED WITH.

DATE : 22 Dec 2021
 PREPARED BY : Andreas Heryansyah



(Technical Manager)

DATE : 30 Dec 2021
 APPROVED BY : Istiono



(Chief Inspector)

**ESTIMATE TIME TABLE, MANHOURS AND DEFECT-RECTIFICATION PK-SNH AT NABIRE, PAPUA
17-21 DECEMBER 2021**

No	DESCRIPTION	NUMBER OF DAYS				
		Day 1	Day 2	Day 3	Day 4	Day 5
1	Preparation Pre EGR	Preparation				
2	Removal Access panel Removal Accessories		Removal			
3	Removal Propeller Disassembly HSI Inspection		Removal	Removal Inspection	Inspection	
4	Defect Rectification Assembly Propeller Installation				Defect Rectification	Installation
5	Installation Accessories Installation Access Panel Post EGR					Adjustment/Test

Engineers:

1. Bramono Ony Trianto
2. Febri Hermawan
3. Agus Sulaeman

Total: 4 Peoples x 9 hrs per day x 5 Days = 180 Mhrs

MAINTENANCE RELEASE & CUSTOMER ACCEPTANCE

AIRCRAFT TYPE : C208B EX

REGN NO : PK-SNH

MAINTENANCE ORG : PT. Smart Cakrawala
Aviation AMO 145D-1003

AIRFRAME HRS : 2048:16

TYPE OF WORK : HOT SECTION INSPECTION

MANUAL REFERENCE : PT6A-140 EMM Chapter 72-00-00
Part number 3075742 Rev. 14.0, March 22 2021

I HEREBY CERTIFY AND ACCEPT THAT THE WORK SPECIFIED IN THE WORK SCOPE ABOVE HAVE BEEN PERFORMED IN ACCORDANCE WITH THE DGAC AIRWORTHINESS REGULATION AND MEET TO PT. SMART CAKRAWALA AVIATION REQUIREMENTS IS IN AIRWORTHY CONDITION AND SAFE FOR FLIGHT .

Order No. : WO/037-SNH/XII/2021

Date : 07 JAN 2022

Signed :



RIDZAL GHAZALI

(Signature of authorized representative)

For :

PT. SMART CAKRAWALA AVIATION

(Air operating Certificate holder name & certification number)

Smartdeal Building 4th Floor, Jl. Cideng Timur No. 16A, Jakarta

(Address)



LIST OF GENERAL TOOLS

No.	DESCRIPTION	PART NUMBER	SIZE	MANUFACTURE	QUANTITY	Remarks
1	Combination Spanner	NONE	NONE	Amstrong	1 Set	Serviceable
2	Socket Drive	NONE	NONE	Amstrong	1 Set	Serviceable
3	Deep Socket Drive	NONE	NONE	Amstrong	1 Set	Serviceable
4	Socket Ratchet Drive (Drive 1/4")	NONE	NONE	Amstrong	1 Ea	Serviceable
5	Sliding Handle/T Handle (Drive 1/4")	NONE	NONE	Amstrong	1 Ea	Serviceable
6	Extension Bar Drive 1/4"	NONE	NONE	Amstrong	1 Ea	Serviceable
7	Socket Adaptor	NONE	1/2" to 3/8"	Amstrong	1 Ea	Serviceable
8	Socket Adaptor	NONE	3/8" to 1/4"	Amstrong	1 Ea	Serviceable
9	Universal Joint Drive 1/4"	NONE	NONE	Amstrong	1 Ea	Serviceable
10	Socket Drive	NONE	NONE	Amstrong	1 Set	Serviceable
11	Deep Socket Drive 3/8"	NONE	NONE	Amstrong	1 Set	Serviceable
12	Socket Ratchet Drive (Drive 3/8")	NONE	NONE	Amstrong	1 Ea	Serviceable
13	Sliding Handle/T Handle (Drive 3/8")	NONE	NONE	Amstrong	1 Ea	Serviceable
14	Extension Bar Drive 3/8"	NONE	NONE	Amstrong	1 Set	Serviceable

No.	DESCRIPTION	PART NUMBER	SIZE	MANUFACTURE	QUANTITY	Remarks
15	Speed Handle Drive 1/2"	NONE	NONE	Amstrong	1 Ea	Serviceable
16	Universal Joint Drive 3/8"	NONE	NONE	Amstrong	1 Ea	Serviceable
17	Pump Plier/Tongue and Groove Plier	NONE	NONE	Amstrong	1 Ea	Serviceable
18	Combination Plier	NONE	NONE	Amstrong	1 Ea	Serviceable
19	Hose Clamp Plier	NONE	NONE	Amstrong	1 Ea	Serviceable
20	Oil Filter Plier	NONE	NONE	Amstrong	1 Ea	Serviceable
21	Allen Key Hexagonal SET	NONE	Inches	Amstrong	1 SET	Serviceable
22	Mirror	NONE	NONE	Amstrong	1 Ea	Serviceable
23	Magnetic Pick Up Tool	NONE	NONE	Amstrong	1 Ea	Serviceable
24	Socket Drive 1/2"	NONE	1 3/4"	Amstrong	1 Ea	Serviceable
25	Ratchet Drive Socket (Drive 1/2")	NONE	NONE	Amstrong	1 Ea	Serviceable
26	Socket Sliding Handle (Drive 1/2")	NONE	NONE	Amstrong	1 Ea	Serviceable
27	Ratchet Box	NONE	NONE	Amstrong	1 Set	Serviceable
28	Hammer	NONE	NONE	Amstrong	1 Ea	Serviceable
29	Mallet / Rubber Hammer	NONE	NONE	Amstrong	1 Ea	Serviceable
30	Punch SET	NONE	NONE	Amstrong	1 SET	Serviceable
31	Chisel SET	NONE	NONE	Amstrong	1 SET	Serviceable
32	Hacksaw	NONE	NONE	Amstrong	1 Ea	Serviceable

No.	DESCRIPTION	PART NUMBER	SIZE	MANUFACTURE	QUANTITY	Remarks
33	File SET	NONE	NONE	Amstrong	1 SET	Serviceable
34	Stubby Screw Driver SET	NONE	NONE	Amstrong	1 SET	Serviceable
35	Ratchet Screw Driver	NONE	NONE	Amstrong	1 Ea	Serviceable
36	Screw Driver Bits SET	NONE	NONE	Amstrong	1 SET	Serviceable
37	Off Set Screw Driver SET	NONE	NONE	Amstrong	1 SET	Serviceable
38	Ruler	NONE	12"	Amstrong	1 Ea	Serviceable
39	Easy Out Tool / Screw Extractor SET	NONE	NONE	Amstrong	1 SET	Serviceable
40	Tap Thread Tool SET	NONE	NONE	Amstrong	1 SET	Serviceable
41	Combination Spanner	NONE	NONE	Amstrong	1 SET	Serviceable
42	Tool Box SMALL	NONE	NONE	NONE	2 Ea	Serviceable
43	Tool Box LARGE	NONE	NONE	NONE	1 Ea	Serviceable



LIST OF MATERIALS

No.	DESCRIPTION	PART NUMBER	SERIAL NUMBER	MANUFACTURE	QUANTITY	Remarks
1.	Part Kit - Hot Section Inspection	3078529-01	UNK	PW&C	1 Kit	Serviceable
2.	Fuel Nozzle Kit	Nozzle 114A Kit	UNK	PW&C	1 Kit	Serviceable

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P&WC 2517 (2013-08) CONTRÔLE INVENTAIRE ET AMÉLIORATION CONTINUE • INVENTORY CONTROL & CONT. IMPROVEMENT (5648)

KIT DESCRIPTION		Packing date - 7 DEC. 2020
Parts Kit Hot Section Inspection		
Total Items in Kit 11	Kit Part Number 3078529-01	No. of page 1 of 1

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Authorized signature: Hector Gutierrez
Last check date: April 28, 2020