# Together ahead. RUAG

Work Report Ref:

314717

Aircraft Type

PC-12/47E HB-FWC

A/C Location

LSGG

Aircraft Registration Aircraft S/N

1702

Aircraft Hours Aircraft Cycles 493:49

416

Engine 1:

Type PT6A-67P

S/N PCE-RY0754

TSN

493:49 CSN 416

Type HC-E5A-3A

S/N SA165

TSN

493:49 CSN

Work Started

21.06.2018

Work Ended

22.06.2018

### The below listed work has been carried out in accordance with:

FIETP 2307 PC-12NG, REV20, 30 MAY 2018

TAG 1630/1702 - PC-12 REV B-P2 MAR 18

# **ORDER # T14460**

OPEN ITEM: 1

#### For details/work performed refer to Work Report

#### **Unscheduled Maintenance**

3001 3098474

30-00 PROPELLER DE-ICE MESSAGES

#### CUSTOMER REQUEST: PILOT REPORTED PROPELLER DE-ICE MESSAGES

TROUBLESHOOTING PERFORMED IAW FAULT ISOLATION PROCEDURE 12-B-30-60-00-00A-420B-A.

- ADJUSTMENT TEST OF PROPELLER DE-ICE SYSTEM CARRIED OUT IAW 12-B-30-60-00-00A-903B-A AND FOUND WITHIN TOLERANCES. - INSPECTION/CHECK OF DE-ICER BOOTS, WIRE HARNESS, SLIP RING, BRUSH

BLOCK CARRIED OUT IAW: 12-B-30-60-00-00A-313B-A AND FOUND WITHIN TOLERANCES.

RUN-UP IN FLIGHT CONFIGURATION WITH OPERATIONAL TEST OF PROPELLER DE-ICE SYSTEM PERFORMED IAW 12-B-30-60-00-00A-903B-A AND FOUND THE SAME FAILURE REPORTED BY THE PILOT (ICE MODE PROTECTION MESSAGE DISAPPEARS SEVERAL TIME DURING ENGINE RUN)

SUSPECTED PROP DE-ICE TIMER (A030).

PART IN ORDER ON 21.06.2018.

A/C UNDER MMEL N°30-61-01B CAT;C ON BOOK,7 PAGE,23 ON 22.06.2018.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Authorization: Date: Name: Signature: 22.06.2018 Aurélien Condamin RUAG

**RUAG Aviation** 

**Business Aviation** Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland

Legal domicile RUAG Switzerland Ltd Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

Together ahead. RUAG

Work Report Ref:

314812

Aircraft Type

PC-12/47E

HB-FWC

A/C Location

LSGG

Aircraft Registration

Aircraft Hours Aircraft Cycles 511:36 433

511:36

Aircraft S/N Engine 1:

S/N PCE-RY0754

TSN

CSN 433

Prop 1:

Type HC-E5A-3A

Type PT6A-67P

S/N SA165

TSN

CSN

Work Started

27.06.2018

Work Ended

30.06.2018

The below listed work has been carried out in accordance with:

☑ AMM PC-12/47E REV 19. 01-MAY-2018

AMP TAG 1630/1702-PC-12 REV B-P2.14MAR18

☑ EMM 3038336 REV 47. DATED 09-APR-2018

POM 147 REV 14. DATED 01-MAR-18

WO # T14465 REV 03 OPEN ITEM: NONE

For details/work performed refer to Work Report

**Unscheduled Maintenance** 

3001 3098687

PROPELLER TIMER 30

> CUSTOMER REQUEST: PLEASE PERFORM REPLACEMENT OF THE PROPELLER TIMER. NEED TO BE PERFORMED.

NOTE: HIL ITEM NO. 1 TO BE CLOSED.

TIMER REPLACED IAW AMM 12-B-30-60-01-00A-920A-A. TEST AND CHECK

FOUND SATISFACTORY.

HIL CLOSED ON THE TECH LOG BOOK 8 PAGE 1 PERFORMED

PNON/OFF: 4E3163-2 SNON: U3319 SNOFF: U3777

3002 3098688

CMM REPLACEMENT LH TYRE

CUSTOMER REQUEST : PLEASE PERFORM REPLACEMENT OF THE L/H TYRE DUE TO

WORN CONDITION, NEED TO BE DONE TIRE CHANGE PERFORMED ON LH MAIN WHEEL ASSY PN: 40-424 SN: 3653

IAW CMM 40-424 REV J 04/05/2014. TEST AND CHECK FOUND SATISFACTORY.

TIRE PNOFF: 025-350-0 SNOFF: 6174S00248

PNON: 021-350-0 SNON: 2142S00056

**RUAG Aviation Business Aviation** Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland

Legal domicile RUAG Switzerland Ltd Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

Together ahead. RIJAC

Work Report Ref:

314812

Aircraft Type

Aircraft S/N

PC-12/47F

Aircraft Registration

HB-FWC 1702

A/C Location

ISGG 511:36

Aircraft Hours Aircraft Cycles

433

3003 3098693

27 ARMS FLAP DRIVE INSPECTION

CUSTOMER REQUEST: PLEASE PERFORM INSPECTION OF THE FLAP DRIVE ARMS.

NEED TO BE PERFORMED.

PERFORMED IAW AMM 12-B-27-51-00-00A-313A-A, CHECK FOUND

SATISFACTORY.

3004 3098763

30 REPLACE LH INB WING BOOT

CUSTOMER REQUEST: REPLACED LH INB WING BOOT IAW

AMM 12-B-30-14-01-00A-920A-A, CHECK AND TEST FOUND SATISFACTORY.

PNON: 959.89.01.037 SNON: NEL3270 PNOFF: 959.89.01.022 SNOFF: NDP2040

3005 3098764 30 REPLACE RH INR WING BOOT

CUSTOMER REQUEST: REPLACED RH INB WING BOOT IAW

AMM 12-B-30-14-01-00A-920A-A. CHECK AND TEST FOUND SATISFACTORY.

PNON: 959.89.01.038 SNON: NEL6850

PNOFF: 959.89.01.023 SNOFF: NDP7740 3300 3099067 30 FUEL PROTECTIVE COATING MISSING

FOLLOWING REMOVAL DEICING BOOTS WING INBOARD RH AND LH, FOUND FUEL

PROTECTIVE COATING MISSING ON THE BOTH SIDE.

APPLY TWO LAYERS OF FUEL PROTECTIVE COATING (BFG A-851-B) MUST BE

PERFORMED IAW AMM 12-B-30-14-01-00A-920A-A PERFORMED CHECK FOUND SATISFACTORY.

3301 3099115 MMDR #1 FAIL COM 1 & NAV 1 WORKING 23

MMDR #1 FAIL COM 1 & NAV 1 WORKING WELL JUSTE CAS MESSAGE DISPLAY TIME TO TIME.

TROUBLESHOOTING PERFORMED.

- OPERATIONAL TEST OF VHF, NAV AND ADF SYSTEM FROM MMDR #1 PERFORMED

IAW TASK 12-B-23-12-00-00A-903A-A, 12-B-34-51-00-00A-903A-A AND 12-B-34-53-00-00A-903A-A AND FOUND WITHIN TOLERANCES, NO FAULT FOUND ON GROUND.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at

Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready

for release to service. RUAG Approval reference Number CH.145.0213

Name: Date: 30.06.2018 Aurélien Condamin Signature:

**Authorization:** 

5001301-00 RUAG

**RUAG Aviation Business Aviation** 

Legal domicile **RUAG Switzerland Ltd** Seetalstrasse 175 · P.O.Box 301 Phone +41 22 710 44 00 Fax +41 22 710 44 80 info.aviation@ruag.com

www.ruag.com

Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland 6032 Emmen · Switzerland

Together ahead. RUAG

Work Report Ref:

314812

Aircraft Type

PC-12/47E

Aircraft Registration

HB-FWC

Aircraft Hours Aircraft Cycles 511:36 433

Aircraft S/N

1702

S/N SA165

TSN

CSN

Work Started

Prop 1:

27.06.2018 Work Ended 30.06.2018

The below listed work has been carried out in accordance with:

☑ AMM PC-12/47E REV 19, 01-MAY-2018

Type HC-E5A-3A

☑ POM 147 REV 14, DATED 01-MAR-18

WO # T14465

For details/work performed refer to Work Report

#### **Unscheduled Maintenance**

3006 3098765

61-00 BIG IMPACT ON PROPELLER BLADE

CUSTOMER REQUEST: BIG IMPACT ON PROPELLER BLADE

PERFORMED REPLACEMENT THE FIVE-BLADED PROPELLER WITH A FOUR-

BLADED PROPELLER IAW SB 61-002.

ADJUSTMENT AND TEST OF THE FOUR-BLADED PROPELLER PERFORMED IAW AMM 12-B-

61-00-00-00A-903A-A. TEST AND CHECK FOUND SATISFACTORY.

OPERATIONAL TEST OF THE FOUR-BLADED PROPELLER DE-ICE SYSTEM PERFORMED

IAW AMM 12-B-30-60-00-00A-903A-A. CHECK AND TEST FOUND SATISFACTORY.

ADJUSTMENT AND TEST OF THE ENGINE PERFORMED IAW AMM 12-B-71-00-00-00A-

903A-A, CHECK AND TEST FOUND SATISFACTORY.
CHECK ENGINE OIL LEVEL PERFORMED IAW AMM 12-B-12-10-03-00A-902A-A, CHECK

FOUND SATISFACTORY.

CALCULATION DRY OPERATING MASS REPORT UPDATED BY TAG AVAIATION SA HIL CLOSING TECH LOG 8 PAGE 1 PERFORMED.

COMPLEX TASK - AMM WORK PRINT OUT REQUIRED

FIVE BLADED PNOFF: HC-E5A-3A SNOFF: SA165

FOUR BLADED PNON: HC-E4A-3D SNON: KX961 (TSN/CSN: 427:35 TSO/CSO: 0)

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Date: Name: Signature: Authorization: 30.06.2018 Aurélien Condamin

RUAG Aviation
Business Aviation
Rue Robert-Adrien Stierlin 6
1217 Meyrin · Switzerland

Legal domicile
RUAG Switzerland Ltd
Seetalstrasse 175 · P.O.Box 301
6032 Emmen · Switzerland

# **Together** ahead. RUAG

Work Report Ref:

315604

Aircraft Type

PC-12/47F

A/C Location Aircraft Hours **GENEVA** 

Aircraft Registration Aircraft S/N

**HB-FWC** 1702

Aircraft Cycles

529:36

Engine 1:

Type PT6A-67P

S/N PCE-RY0754 S/N SA165

TSN

CSN

Prop 1:

Type HC-E5A-3A

TSN

CSN

09.07.2018 Work Started

Work Ended

10.07.2018

The below listed work has been carried out in accordance with:

FC-12/47E IETP ISSUE 001.20 DU 30/05/18

AMP - TAG 1630/1702 REV B-P2, 14-MAR-18

PO: T14507

OPEN ITEM: NONE

For details/work performed refer to Work Report

#### **Unscheduled Maintenance**

3001 3099652

TROUBLE SHOOTING ENGINE EXCEDENCE

- TROUBLESHOOT ENGINE EXCEEDANCE STATUS MESSAGE FOLLOWING CAS

MESSAGE ENGINE NP, ON GROUND IDLE (WARNING) DURING 2S -TROUBLESHOOTING PERFORMED.ACMF LOADED.AND SEND TO THE MANUFACTURER FOR ANALYSIS, FILES ANALYZED AND THERE WAS AN NP EXCEEDANCE FOR 28 SECONDS, IAW HARTZELL PROPELLER OWNER'S MANUAL 149,61-00-49 PAGE 5-35 , POWER PLANT TEST 14 # GROUND IDLE SPEED PERFORMED IAW AMM:12-B-71-00-00-00A-

9030-A AND FOUND SATISFACTORY I -FYI...FROM PILATUS FIG , ENGINE NP Color:RED ATA:77 -Note: The NP caution has been known to occur on ground on hot days if

the engine is set to ground idle. If the caution occurs it is normally due to the logic defined in point 3 above. If this is the case, flight idle is recommended. Refer to Pilots Operating Handbook (POH).

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Date: Authorization: Name: Signature: 10.07.2018 Thierry Duport 5000963-00 RUAG

**RUAG Aviation Business Aviation** 

Rue Robert-Adrien Stierlin 6

1217 Meyrin · Switzerland

Legal domicile RUAG Switzerland I to Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

# **Together** ahead. RUAG

Certificate of Release to Service Work Report Ref:

Aircraft Type

PC-12/47E **HB-FWC** 

The below listed work has been carried out in accordance with:

A/C Location

GENEVA

Together

Aircraft Registration Aircraft S/N

1702

Aircraft Hours

534:58

Aircraft Cycles

450

Engine 1: Type PT6A-67P Prop 1: Type HC-E 4A-3D

S/N PCE-RY0754 S/N K x 961

TAG Aviation SA A. DEBACKER TSN Alrworthiness Staff CH.MG. 1001 TSN =

CSN CSN

Work Started

17.07.2018

☑ PC-12/47E IETP 001.20, 30-MAY-2018

Work Ended 17.07.2018

OB-P3, 10 JUL 2918

PO: T14533 REV 1

M AMP TAG 1630/1702-PC-12 REV B-P2,14MAR18

**OPEN ITEM: 1** 

For details/work performed refer to Work Report

#### **Scheduled Maintenance**

710061 detalls/work performed refer to Work Report

Job Card: 710061

PERFORM ENGINE CONDITION TREND MONITORING (ECTM) DOWNLOAD

-ACMF/FHDB DOWLOAD PERFORMED AND SEND TO CAMO.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference. RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried

out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Name: Date: 17.07.2018 Thierry Duport Signature

Authorization: RUAG

**RUAG Aviation** 

Business Aviation Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland Legal domicile RUAG Switzerland Ltd

Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

Phone +41 22 710 44 00 / Fax +41 22 710 44 80 info.aviation@ruag.com

www.ruag.com

# Together ahead. RUAG

Work Report Ref:

316179

Aircraft Type Aircraft Registration PC-12/47E **HB-FWC** 

Aircraft Hours Aircraft Cycles **GENEVA** 552:24

462

552:24

Aircraft S/N

1702

CSN

TAG Aviation SA

A. DEBACKER Airworthiness Staff

CH.MG. 1001

462

Engine 1: Type PT6A-67P Prop 1:

Type HC-E4A-3D

S/N PCE-RY0754 S/N KX961

TSN TSN

Work Started

26.07.2018

Work Ended

26.07.2018

A/C Location

CSN

The below listed work has been carried out in accordance with:

PC-12/47E IETP 001.20, 30-MAY-2018

MP TAG 1630/1702-PC-12 REV B-P3.0610118

PO: T145541 REV 1 OPEN ITEM: NONE

For details/work performed refer to Work Report

#### **Unscheduled Maintenance**

3001 3100411

RH SUNVISOR BROKEN AND HIL

REPLACE RH SUNVISOR BROKEN note: take picture of broken sunvisor -R/H SUN VISOR MOUTING FLANGE P/N.525.14.12.219 REPLACED.

CLOSE HIL#2

-MEL :25-10-01A CLEARED ON HIL PAGE #1 AND MAINTENANCE CABIN DEFECT

PAGE#1 AND FTL BOOK#8 PAGE#14.

SR

4001 3100586

45 **UPGRADE HONEYWELL PRIMUS APEX** 

COMPLEX TASK - WORK CARD PRINT OUT REQUIRED

CENTRAL MAINTENANCE SYSTEM - CENTRAL COMPUTER - UPGRADE THE HONEYWELL PRIMUS APEX

OPERATIONAL SOFTWARE TO BUILD 10.14 (BUILD 11.1), SERVICE BULLETIN

PERFORMED.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at

Meyrin under the above mentioned Work Report reference. RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready

for release to service. RUAG Approval reference Number CH.145.0213

Authorization: Signature: Name: 26.07.2018 Thierry Duport RUAG

**RUAG Aviation** 

**Business Aviation** Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland

Legal domicile

**RUAG Switzerland Ltd** 

Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

Phone +41 22 710 44 00 Fax +41 22 710 44 80

info.aviation@ruag.com www.ruag.com

**Together** ahead. RUAG

Work Report Ref:

316179

Aircraft Type

PC-12/47E

Aircraft Registration

**HB-FWC** 

Aircraft Hours

552:24

20

Aircraft S/N

1702

Aircraft Cycles

462

552:24

TSN

CSN

Work Started

26.07.2018 Work Ended 26.07.2018

The below listed work has been carried out in accordance with:

S/N PCE-RY0754

@ PC-12/47E IETP 001.20, 30-MAY-2018

For details/work performed refer to Work Report

**Scheduled Maintenance** 

Engine 1: Type PT6A-67P

731040 - 731055

Job Card: 731040

NO. 1 ENGINE - CHECK FUEL PUMP FUEL INLET SCREEN FOR FOREIGN MATTER OR DISTORTION, CLEAN AND REINSTALL, OR INSTALL NEW SCREEN IAW AMM 73-10-02

-PERFORMED.

Job Card: 731055 NO. 1 ENGINE - REPLACE FUEL PUMP OUTLET FILTER IAW EMM 73-10-02.

-PERFORMED.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Name: Date: 26.07.2018 Thierry Duport

Signature:

Authorization: 5000963-00 RUAG

**RUAG Aviation** 

**Business Aviation** Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland

Legal domicile

**RUAG Switzerland Ltd** Seetalstrasse 175 · P.O.Box 301

6032 Emmen · Switzerland

# Together ahead. RUAG

Work Report Ref:

316305

Aircraft Type

PC-12/47E HB-FWC

A/C Location Aircraft Hours **GENEVA** 574:34

Aircraft Registration Aircraft S/N

1702

Aircraft Cycles

474

Engine 1: Type PT6A-67P Prop 1:

Type HC-E5A-3A

S/N PCE-RY0754 S/N SA165

TSN TSN 574:35 CSN CSN

UNK

Work Started

06.08.2018

Work Ended

07.08.2018

461:04

10 JULLIA

The below listed work has been carried out in accordance with:

PC-12/47E IETP 001.20, 30-MAY-2018

MAMP TAG 1630/1702-PC-12 REV B-P3.06JUL18

PROPELLER REPLACEMENT PO:T14565

OPEN ITEM: NONE

For details/work performed refer to Work Report

**Unscheduled Maintenance** 

3001 3101009

PROPELLER REPLACEMENT

TAG Aviation SA A. DEBACKER Airworthiness Staff CH.MG. 1001

COMPLEX TASK - WORK CARD PRINT OUT REQUIRED

INDEPENDENT INSPECTION

REMOVE LOANER 4 BLADE PROPELLER P/N OFF:HC-E4A-3D S/N OFF:KX961 IAW SB 61-001

TSN: 490:33 CSN:UNK

INSTALL OWNER 5 BLADE PROPELLER P/N ON: HC-E5A-3A S/N ON: SA165

IAW SB 61-001

TSN: 461:04 CSN :UNK RECORD NEW BLADE S/N

BLADE #1

P/N OFF:9682913023 S/N OFF:L04970

P/N ON:10245B

S/N ON:B4514

BLADE #2

P/N OFF:9682913023 S/N OFF:L04969

P/N ON:10245B

S/N ON:B4547

BLADE #3

P/N OFF:9682913023 S/N OFF:L04972

P/N ON:10245B

S/N ON:B4548

**BLADE #4** P/N OFF:9682913023 S/N OFF:L04978

P/N ON:10245B

S/N ON:B4508 BLADE #5

P/N ON:10245B

S/N ON:B4495

PERFORM CALCULATED WEIGHT CHANGE IAW SB 61-001

-PERFORMED BY TAG CAMO.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

**Authorization:** Signature: Date: Name: 5000963-00 RUAG 07.08.2018 Thierry Duport

**RUAG Aviation** 

**Business Aviation** Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland

**RUAG Switzerland Ltd** 

Legal domicile

Phone +41 22 710 44 00 Fax +41 22 710 44 80 info.avlation@ruag.com www.ruag.com

Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

Together ahead. RUAG

Work Report Ref:

317031

Aircraft Type

PC-12/47E HB-FWC A/C Location

**GENEVA** 

Aircraft Registration

HB-FWC

Aircraft Hours
Aircraft Cycles

592:34 484

Aircraft S/N Engine 1:

Type PT6A-67P

S/N PCE-RY0754

TSN

CSN

Prop 1: T

Type HC-E5A-3A

S/N SA165

TSN

CSN

Work Started

15.08.2018

Work Ended

15.08.2018

. . . .

The below listed work has been carried out in accordance with:

PC-12/47E IETP 001.20, 30-MAY-2018

☑ AMP TAG 1630/1702-PC-12 REV B-P3,10JUL18

PO: T14605

OPEN ITEM: NONE

For details/work performed refer to Work Report

scheduled Maintenance

3001 3102232

71

ECTM DOWNLOAD

PERFORM CAMP CODE 710061 ECTM DOWNLOAD IAW AMM 12-B-45-45-00-00A-551A-A PERFORMED FOUND SATISFACTORY

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Mevrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

15.08.2018

Name: Giuseppe Vitale Signature:

Authorization:

**RUAG Aviation** 

Business Aviation Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland 15.08,2018 13:23:30 Legal domicile
RUAG Switzerland Ltd
Seetalstrasse 175 · P.O.Box 301
6032 Emmen · Switzerland

# Together ahead. RUAG

Work Report Ref:

319411

Aircraft Type

PC-12/47E

A/C Location

**GENEVA** 

Aircraft Registration Aircraft S/N

**HB-FWC** 1702

Aircraft Hours Aircraft Cycles

09.10.2018

687:52 556

Engine 1: Type PT6A-67P

S/N PCE-RY0754

TSN

CSN 687-52

Prop 1:

Type HC-E5A-3A

S/N SA165

**TSN** 

CSN

556

Work Started 08.10.2018 Work Ended

The below listed work has been carried out in accordance with: FC-12/47E IETP 001.20, 30-MAY-2018

G AMP TAG 1630/1702-PC-12 REV B-P3,10JUL18

PO: T147148

OPEN ITEM: NONE

For details/work performed refer to Work Report

#### **Unscheduled Maintenance**

3001 3105542

72 INSPECTION AFTER BIRD STRIKE

> PERFORM BIRD STRIKE INSPECTION. CHECK AND MEASURE IMPACT DAMAGE IF NECESSARY IAW SRM LIMIT. -IMPACTS IDENTIFIED (TRACES OF BLOOD AND FEATHERS) ON LOWER COWLING UNDER L/H EXAUST.ON L/H WING AMPLANTURE FAIRING.AND UNDER L/H STABILIZER, ALL IMPACTS CLEANED INSPECTED, FOUND SATISFACTORY WITH NO DEFECT

CHECK NO IMPACT ON PROPELLER

-FOUND TRACES OF BLOOD AND FEATHERS ON PROPELLER BLADES, CLEANED INSPECTED IAW HARTZELL MANUAL 147, FOUND SATISFACTORY WITH NO DEFECT.

CHECK AND INSPECT ENGINE AIR INLET FOR EVENTUEL INGESTION AND REPORT.

-FOUND FEATHERS ON ENGINE AIR INLET GRID ,UPPER/LOWER COWLINGS REMOVED TO CLEAN IT, ENGINE AIR INLET AND FIRST STAGE COMPRESSOR INSPECTED BY BORESCOPE .SEE ATTACHED REPORT FOUND SATISFACTORY WITH NO DEFECT.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Authorization: Date: Name: Signature: 09.10.2018 Thierry Duport 5000963-00 RITAG

**RUAG Aviation Business Aviation** Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland

Legal domicile **RUAG Switzerland Ltd** Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

Together ahead. RUAG

Work Report Ref:

319848

Aircraft Type

PC-12/47E HB-FWC

A/C Location Aircraft Hours **GENEVA** 

20

Aircraft Registration Aircraft S/N

Aircraft Cycles

696:11 563

Engine 1:

Type PT6A-67P

S/N PCE-RY0754

TSN

CSN

Prop 1:

Type HC-E5A-3A

S/N SA165

TSN

Work Started

18.10.2018

☑ IETP PC-12/47E ISSUE 001.20.30-05-18

Work Ended

18.10.2018

CSN

The below listed work has been carried out in accordance with:

**MP TAG 1630/1702-PC-12 REV B-P3.10JUL18** 

WO: T14779

OPEN ITEM: NONE

For details/work performed refer to Work Report

#### **Unscheduled Maintenance**

3001 3106290

**UPLOAD NAV DATABASE** 

PILOT REPORTED DIFFICULTIES TO UPLOAD NAV DATABASE HE REPORTED ACMF TROUBLES

-CHARTS DATABASE CYCLE 21-2018 UPDATED AND TESTED IAW AMM 12-B-45-45-00-00A-A, FOUND SATISFACTORY. -NAVIGATION DATABASE CYCLE 1811 UPDATED AND TESTED, FOUND SATISFACTORY. -ACMF DOWNLOAD / CLEAR AND SENT FILE TO CAMO. NOTE: ACMF LOG FULL MSG CLEARED.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Authorization: Date: Name: Signature 18.10.2018 Laurent Manco 5001314-00

**RUAG Aviation** 

**Business Aviation** Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland 19.10.2018 06:32:21

Legal domicile RUAG Switzerland Ltd Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

(date)

TSN or before

	Prochainh contrôle a		
CERTIFICATE OF RELEASE TO SER  HB-FWC PC-12/47E MSN: 170 TSN: 707:37 LDGS.: 5	D2 EASA.CH.145.0209	XIII Action taken Maintenance release	
The following work has been carried out  AMP Ref. TAG 1630/1702 - PC-12 Rev.	i.a.w. AMM 2300 Rev.19; 30.May 2018 and B-P4, 28.09.2018	Mesures prises Attestation d'entretien	
<ul> <li>300 FH Inspection i.a.w. AMM 12-B-05-40-01</li> <li>300 FH/ 12 Months Inspection i.a.w. AMM 1</li> <li>Engine MINOR-Inspection i.a.w. P&amp;WC Period</li> <li>5 Blades Propeller - 400 hrs/ 12 Months De</li> </ul>	L2-B-05-40-01-02A-000B-A.	,	
<ul> <li>NiCad battery #1 S/N: 11602835 &amp; #2 S/N</li> <li>Hot section borescope inspected i.a.w. P&amp;W</li> </ul>	: 11602834 serviced i.a.w. OMM 24-34-00, Rev.15 JAN 12/18.		
	ept as otherwise specified was carried out in respect to that work the aircraft/ aircraft	- ē	
component is considered ready for rel		•	

inspection

Next

at



Workreport

Original

TAG AVIATION S.A. 20. CHEMIN DES PAPILLIONS AIRPORT 1215 GENEVA 15

Registration

LDG 573

Work performed from:

05.11.2018 to: 09.11.2018

Cycles 573

	Manufacturer	¹Type	S/N	TSN	TSO
Airframe	PILATUS AG	PC-12/47E.	1702	707:37	
Engine1	PRATT&WHITNEY	PT6A-67P	PCE-RY0754	707:37	
Propeller1	HARTZELL	HC-E5A-3A	SA165	657:13	5 m

### HB-FWC - 300 hrs-Inspection (Ref. TAG WO 37041)

The work was carried out i.a.w. the documents referenced:

- AMM 02300 REV.19 / 30. MAY 2018
- EMM P/N 3038336 REV. 47.2 / 21. AUG 2018
- HARTZELL MANUAL 147 REV. 14 / MAR 2018

200 EH Inenection

- AMP Revision: TAG 1630/1702, B-P4 / 28.09.2018

### **Schedule Tasks**

Chapter

Task

: 3	1	SEAL,	O-RING,FVMQ,10.8*2.6	9469130111			- F - E - S	
	<b>Qty</b>	Part N	lame	P/N On/Off	S/N Off	Hrs	S/N On	Hrs
	0030	05	300 FH or 12 Months Insp CAMP Ref. 05402A 300 FH or 12 Months Insp i.a.w. AMM 12-B-05-40-0	ection carried out			House of Heures de vol	
	0020	05	CAMP Ref. 05401A 300 FH Inspection carried	out i.a.w. AMM 12-B	-05-40-01-	01A-000	B-A.	

1	SEAL,O-RING,FVMQ,79.0*3.5	9469130235

Task	Chapter	
0800	21	Vapor cycle compressor condenser module (incl. motor) to be cleaned CAMP Ref. 21-50/433 Vapor cycle compressor condenser module (incl. motor) cleaned i.a.w. OSCMM 21-00-23, page Rev.10 page 34.

0090	24	CAMP Ref. 24-30/339
		NiCad battery 1 S/N: 11602835 serviced,
		i.a.w. OMM 24-34-00, Rev.15 JAN 12/18
		-> 2nd capacity passed with 58 minutes
		NiCad battery 2 S/N: 11602834 serviced,
		i.a.w. OMM 24-34-00, Rev.15 JAN 12/18



# Workreport

Original

		-> 2nd capacity test pas	ssed 55 minutes					
0070	30	Airfoil de-icers, apply a s CAMP Ref. 30-10/79						
		Airfoil de-icers coating a						
0100	35	Passenger oxygen mask performed i.a.w. AMM 1 CAMP Ref. 35-20/459			I test to be			
		Passenger oxygen mask i.a.w. AMM 12-B-35-00-		operationa	l performed			
0230	45	Engine Trend Monitoring CAMP Ref. 710061	System and ACMF re	ports to be	downloaded	. a		
		Engine Trend Monitoring AMM 12-B-45-45-00-00 ** No exceedance found	A-551A-A and checke	ts download ed for excee	ded i.a.w. edances, fou	nd:		
0050	61	5 Blades Propeller - 400 CAMP Ref. 610020 5 Blades Propeller - 400			rformed			
		i.a.w. Hartzell POM No 1	47 61-00-47.	spection po	. romou			
0240	61	5 Blades propeller - 600h (CAMP Ref 610060)						
		5 Blades propeller - 600h performed i.a.w hartzell p	rs coin tap test of the propeller owners manu	erosion shi al 147 61-0	eld surface 00-47 (8)			
0060	61	Propeller lubrication to be CAMP Ref. 610030						contro
	74	Propeller lubrication carri		POM NO.14	7 Rev.14			nspecti
0280	71	Turbine wash to be carried CAMP Ref. 71-00/105		00 00 004	2504.4			
		Turbine wash carried out and P&WC EMM 71-00-0		00-00-00A	-250A-A			
0270	71	Compressor desalination		t				
		CAMP Ref. 71-00/104 Compressor desalination						
1	71	i.a.w. AMM 12-B-71-00-						
0260	71	Compressor performance CAMP Ref. 71-00/103 Compressor performance						
		i.a.w. AMM 12-B-71-00-			171-00-00.			
<u>Oty</u>	Part N	ame	P/N On/Off	S/N Off	Hrs	S/N On	Hrs	
1	SEAL,	O-RING,MVQ,12.5*1.9	9682013249		_		_	on en
1	SEAL,	O-RING,MVQ,14.1*1.9	9682013250					
1	SEAL,	O-RING,MVQ,34.7*2.7	9682013251					
1	GASK	ET,IGNITER	9682011159					
1	GASK	ET	9682012529					
Task	Chapte	<u>er</u>		1	170			
0040	72	Engine ROUTINE/MINOR- CAMP Ref. 057010-R and Engine ROUTINE/MINOR- acc. P&WC Periodic Inspe	d 731025 (ref. to Pos. Inspection performed	130 and Po				
<u>Oty</u>	Part N	ame	P/N On/Off	S/N Off	Hrs	S/N On	Hrs	
1	SEAL,	O-RING,FVMQ,21.8*3.5	9469130212					
1	SEAL,	O-RING,FVMQ,53.1*3.0	9469130928					



# Workreport

Original

Task	Chapte						
0110	72	CAMP Ref. 710031	inspection to be carried		00 documer	ot 601	
0210	73	P3 air filter to be replace CAMP Ref. 733020 Rep - 733070 Clean & Inspe		Clean P3 Filt Housing Ass	er and	11 001. 2.2	
Qty	Part Na	me	P/N On/Off	S/N Off	Hrs	S/N On	Hrs
1	1 1	P-RING,MVQ,12.5*1.9	9682013249			2.7.3	
1		-RING,MVQ,14.1*1.9	9682013250				
1	SEAL,C	P-RING,MVQ,34.7*2.7	9682013251				
1	FILTER	ELEMENT,P3	9682013311				
Task	Chapter				5.5		
0140	73	100hrs/Annual: P3 air f CAMP Ref. 731100 Cle - 733070 Clean & Inspe P3 air filter cleaned i.a.v	an P3 Filter				<
		* *Filter replaced, refer	to task 210**				
0120	73	i.a.w. P&WC EMM 72-0 CAMP Ref. 731025 & 7 Fuel manifold adapter at		aned, spray a			
Qty	Part Na	me	P/N On/Off	S/N Off	Hrs	S/N On	Hrs
86	SEAL,O	-RING,FKM,5.4*1.9	9469127709				
14	GASKE	T,FUEL MANIFOLD	9682012113				
1	ADAPT	ER,FUEL	9682013102				
1	GASKE	Т	9682013111				
1	WASHE	R,KEY	9682013170				
Task	Chapter						
0150	74	Check ignition exciter for CAMP Ref. 740015	or installation and condit	ion			
		Check and inspection pe	erformed i.a.w. EMM Re	f 74-10-00.			
0160	74	Check spark igniters for CAMP Ref. 740025 Check and inspection pe					
Ωty	Part Na		P/N On/Off	S/N Off	Hrs	S/N On	Hrs
2		T,IGNITER	9682011159			4.0	
Took	Chapter						
Idsk	74		r chafing, wear and inst	allation			
	/4	CAMP Ref, 740010					
<u>Task</u> 0170	79		erformed i.a.w. EMM 74				



Workreport

Original

\*\*Filter replaced, refer to task 220\*\*

0220 79 Engine oil filter element to be replaced (lifetime expired). CAMP Ref. 790050 Replace Oil Filter Element and 790060 Inspect Oil

Filter Flement

Oil filter element replaced i.a.w. AMM 12-B-79-20-01-00A-920A-A.

S/N Off Qty **Part Name** P/N On/Off Hrs S/N On SEAL, O-RING, FKM, 25.3\*2.7 9469127765

SEAL, O-RING, FKM, 62.1 \* 2.7 9469127788 SEAL, O-RING, FKM, 44.4\*3.6 9469127838

FILTER ELEMENT, OIL 9682012638

Task Chapter

2

Task

0190 79 Check Magnetic Chip Detector for Continuity i.a.w. P&WC EMM 72-00-00.

**CAMP Ref. 790031** 

Magnetic Chip Detector checked for continuity i.a.w. P&WC EMM 72-00-00, Table 601.

**Unschedule Tasks** 

PLACARD

Chapter

Task Chapter 11 1020 Three placards on nose landing gear are unreadable, to be replaced.

Three placards on nose landing gear replaced

i.a.w. IPC 12-B-32-20-00-070-941A-A, 12-B-11-20-00-030-941A-A and

standard practices.

Qty Part Name P/N On/Off S/N Off Hrs S/N On

5112312025

MARKINGS, NLDG. DO NOT TURN 5112312028

Task Chapter 24 Broken generator air inlet hose to be replaced. 1050

Broken generator air inlet hose replaced

i.a.w. IPC 12-B-24-30-00-050-941A-A and standard practices.

Qty **Part Name** P/N On/Off S/N Off S/N On Hrs Hrs 9599021250

HOSE, AIR INLET, ID 95\*270MM

28 1080 RH inner Fuel drain valve is leaking, to be replaced.

RH inner Fuel drain valve replaced i.a.w standart practice.

Qty **Part Name** P/N On/Off S/N Off S/N On Hrs

SEAL, O-RING, FKM, 18,9\*2.7 9469127761

VALVE, DRAIN 1155507209

Task Chapter

1070 28 Fuel filler cap O-rings brittle on LH and RH fuel tank.

O-rings of fuel filler cap on LH and RH fuel tank replaced i.a.w

AMM 12-B-12-10-01-00A-902A-A

Qty Part Name P/N On/Off S/N Off S/N On Hrs Hrs

SEAL, O-RING, NBR, 69, 4\*3.5 9469127446

Chapter Task

Pilatus Aircraft Ltd.

P.O. Box 992, 6371 Stans, Switzerland

Page 4 of 5



W/R-No. 582
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# Workreport

Original

1030	32	Broken brake reservoir cover Broken brake reservoir cover i.a.w. IPC 12-B-32-40-00-05	replaced	andard practi	ces.		
Oty	Part N	ame	P/N On/Off	S/N Off	Hrs	S/N On	Hrs
1.	COVE	R RESERVOIR	9594791105		Τ.	No Die	T
Task	Chapt	er					
1000	32	Main wheel tyre RH worn ou Main wheel tyre RH replaced			eel).		
		i.a.w. Parker CMM 40-424 R Wheel S/N 3665 Tire change No. 1	lev. J 04-05-2014				
<u>Oty</u>	Part N	ame	P/N On/Off	S/N Off	Hrs	S/N On	Hrs
1	PACKI	NG,PREFORMED	9595601522				
1	TIRE,N	MAIN WHEEL, TUBELESS	9595601308				
Task	Chapte	<u>er</u>					
1060	35	Oxygen system to be replenisted i		12-10-05-00	A-902A-A		
1010	61	Carbon Block (low pitch warr Carbon Block replaced i.a.w.				it)	
Qty	Part Na	ame	P/N On/Off	S/N Off	Hrs	S/N On	Hrs
1	BLOCK	ASSY.,CARBON	9682911375				
Task	Chapte	or .			100		
1040	71	Brittle rubber washers on LH Brittle rubber washers on LH i.a.w. IPC 12-B-71-10-00-01	forward engine co	wling stay re	eplaced	or aut. Or aut	
Qty	Part Na	ame	P/N On/Off	S/N Off	Hrs	S/N On	Hrs
2	WASH	ER, RUBBER	6501004101		o din	4	20

### Various / Notes

Task	Chapter

0250

Tyres to be checked, especially the main R/H ones for worn condition

Tyres checked for worn condition and found:

RH Main tyre worn out, to be replaced see task: 1000.

# Conformity Statement:

We confirm that for the above mentioned work performed a maintenance release in the flight log in accordance with Part-145 has been issued.

CH - 6371 Stans, 03.12.2018

PILATUS AIRCRAFT LTD. AIRCRAFT MAINTENANCE

CH.145.0209

MICHAILOW S

Pilatus Aircraft Ltd.

Page 5 of 5

# Together ahead. RUAG

Work Report Ref:

321461

Aircraft Type

PC-12/47E

Aircraft Registration

A/C Location

LSGG

Aircraft S/N

**HB-FWC** 1702

Aircraft Hours Aircraft Cycles 738:34 602

Engine 1:

Type PT6A-67P Type HC-E5A-3A S/N PCE-RY0754

TSN TSN CSN

Prop 1: Work Started

26.12.2018

S/N SA165 Work Ended

26.12.2018

CSN

The below listed work has been carried out in accordance with:

OPEN ITEM: NONE

For details/work performed refer to Work Report

PC-12/47E IETP 02307,REV 021,30-NOV-2018

**Unscheduled Maintenance** 

3000 3108841

45

ECTM DOWNLOAD

ECTM ENGINE DOWNLOAD

DOWNLOADED AND CLEARED SENT TO CAMO.

The details of all work carried out and materials used at RUAG Switzerland Ltd. RUAG Aviation are held at Meyrin under the above mentioned Work Report reference.

RUAG Switzerland Ltd. RUAG Aviation certifies that the work specified except as otherwise specified was carried out in accordance with Part-145, and in respect to that work the aircraft/aircraft component is considered ready for release to service.

RUAG Approval reference Number CH.145.0213

Date:

Name:

Signature:

Authorization:

26.12.2018

Guillaume Aviez

**RUAG Aviation Business Aviation** 

Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland 26.12.2018 16:30:24

Legal domicite RUAG Switzerland Ltd Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

Phone +41 22 710 44 00 Fax +41 22 710 44 80 info.aviation@ruag.com www.ruag.com

Page

# Together ahead. RUAG

Work Report Ref:

324441

Aircraft Type

PC-12/47E

**HB-FWC** 

A/C Location Aircraft Hours LSGG

20

Aircraft Registration Aircraft S/N

1702

Aircraft Cycles

766:16 626

Type PT6A-67P Type HC-E5A-3A S/N PCE-RY0754

TSN

CSN

Engine 1: Prop 1: Work Started

04.02.2019

S/N SA165 Work Ended

TSN 04.02.2019

CSN

The below listed work has been carried out in accordance with:

PC-12/47E IETP 001 REV 21 DU 30 NOV 2018

TAG 1630/1702 - PC-12 REV B-P4-8EP 18

18dec18

T15138

OPEN ITEM: NONE

For details/work performed refer to Work Report

**Unscheduled Maintenance** 

3001 3112864

27-00 ELEVATOR SYSTEM TO BE CHECKED

CUSTOMER REQUEST: ELEVATOR SYSTEM TO BE CHECKED -Functional Test Of The Elevator Control System PERFORMED IAW AMM:12-B-27-30-00-00A-903A-A CHAPTER N°4

FOUND SATISFACTORY.

3002 3112865

07-00 ENG COVER STRAP TO BE CHECKED/REPAIRED

CUSTOMER REQUEST: ENGINE COVER STRAP TO BE CHECKED/REPAIRED

-CHECKED FOUND SATISFACTORY.

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RUAG Approval reference Number CH.145.0213

Authorization: Signature: Name: 04.02.2019 Thierry Duport RUAG

**RUAG Aviation** 

**Business Aviation** Rue Robert-Adrien Stierlin 6 1217 Meyrin · Switzerland

Legal domicile

RUAG Switzerland Ltd Seetalstrasse 175 · P.O.Box 301 6032 Emmen · Switzerland

Phone +41 22 710 44 00 Fax +41 22 710 44 80 info.aviation@ruag.com

www.ruag.com

Spite S Traduzione 1 Airworthiness Staff vedinenine

TAG Aviation SA

A. DEBACKER

Deutsche Uhersetzung

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