

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL HC-E5A-3A

PROPELLER S/N SA 179

LOGBOOK # 1

THIS SERVICE RECORD shall accompany the propeller equipment at all times. When equipment is installed as part of an Aircraft or engine, this record shall be maintained concurrently with and become a part of the Aircraft and Engine Service Records.

PROPELLER MAINTENANCE RECORD

Position SE

PITCH RANGE

Propeller Model HC-E5A-3A

High/Feather 80.0°

Propeller S/N SA 179

Start Lock -

Blade Design NC 10245 B

Low 14.7°

Blade S/N's

Reverse - 17.5°

No. 1 B 4509

Aircraft Manufacturer PILATUS AIRCRAFT LTD.

No. 2 B 4545

Aircraft Model PC-12/47 E

No. 3 B 4499

S/N 1698

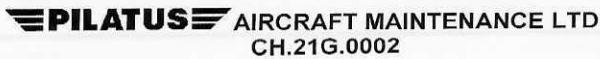

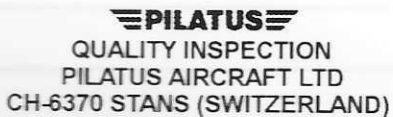


No. 4 B 4506


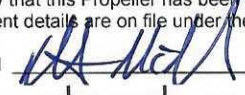

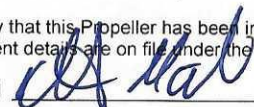
Registration _____

No. 5 B 4496

No. 6 _____

Spinner Assembly Part No. 105820 P

Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
Feb. 1. 2017	0:00	-	-	<div style="text-align: center;">  </div> <p>Propeller Assy reassembled i.a.w. Hartzell Manuals <u>158A, 135F, 202A, 159, 181</u></p> <p>UWP No.: <u>17-1011</u></p> <p>Date: <u>1. Feb. 2017</u></p> <p>WO No.: <u>480656</u> Signature: </p>
Mar 21 2017	0.00	-	0.00	<div style="text-align: center;">  </div> <p>NEW PROPELLER, S/N SA179 HC-E5A-3A/NC10245B INSTALLED ON PILATUS PC-12/47E AIRCRAFT WITH MSN 1698</p> <p style="text-align: right;">K. Gubser PROD. ORGANISATION CH.21G.0002</p> <p style="text-align: right;"> </p>

	Propeller N698NG Model: HC-E5A-3A S/N: SA179 Date: 14 March 2018		Hobbs Time: 106.3 Total Time: 106.3 Cycles: 77 Work Order: S-18-00061
	<p>Complied with an Annual Inspection using Pilatus PC-12/47E AMM 05-20-20 Annual Inspection form as a guide to comply with the inspection requirements of FAR 43 Appendix D. Complied with 400 hour/12 month propeller lubrication in accordance with Pilatus PC-12/47E AMM 12-20-05. Complied with 400 hour/12 month propeller detailed inspection in accordance with Hartzell Manual NO. 147, Ch. 61-00-47. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.</p> <p>I certify that this Propeller has been inspected in accordance with an Annual inspection and is determined to be in an airworthy condition. Pertinent details are on file under the above work order.</p> <p>Signed  Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C</p>		
	Propeller N698NG Model: HC-E5A-3A S/N: SA179 Date: 26 July 2018		Hobbs Time: 204.6 Total Time: 204.6 Cycles: 244 Work Order: S-18-00244
	<p>Complied with a 100 hour Inspection using Pilatus PC-12/47E AMM 05-20-10 100hr Inspection form as a guide to comply with the inspection requirements of FAR 43 Appendix D. Installed new beta block P/N A3026 in accordance with Hartzell manual No 147, 61-00-47. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.</p> <p>I certify that this Propeller has been inspected in accordance with a 100 hour inspection and is determined to be in an airworthy condition. Pertinent details are on file under the above work order.</p> <p>Signed  Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C</p>		

Propeller



Hobbs Time: 333.0
Total Time: 333.0
Cycles: 365
Work Order: S-18-00335

N698NG
Model: HC-E5A-3A
S/N: SA179
Date: 25 October 2018

Complied with a 100 hour Inspection using Pilatus PC-12/47E AMM 05-20-10 100hr Inspection form as a guide to comply with the inspection requirements of FAR 43 Appendix D.
Installed new beta block P/N A3026 in accordance with Hartzell manual No 147, 61-00-47.
Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Propeller has been inspected in accordance with a 100 hour inspection and is determined to be in an airworthy condition. Pertinent details are on file under the above work order.

Signed [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Propeller



Hobbs Time: 432.8
Total Time: 432.8
Cycles: 529
Work Order: S-19-00041

N698NG
Model: HC-E5A-3A
S/N: SA179
Date: 18 February 2019

Complied with AAIP Annual inspection in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc.
Complied with 400 hour/12 month propeller lubrication in accordance with Pilatus PC-12/47E AMM 12-20-05.
Complied with 400 hour/12 month propeller detailed inspection in accordance with Hartzell Manual NO. 147, Ch. 61-00-47.
Complied with 600 hour tap test of the erosion surfaces per Hartzell manual 147, Ch. 61-00-47.
Installed new beta block P/N A3026 in accordance with Hartzell manual No 147, 61-00-47.
Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Propeller has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.

Signed [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C



Marshalltown Aviation, Inc.
2651 - 170th Street
Marshalltown, Iowa 50158
(641) 752-0012 (Office) (641) 752-0026 (Fax)

DATE: 5/19/2019 TAIL NO.: 698NG TACH/HOBBS: 523 Serial #: 5A179

Model #: HC-E5A-3A/NC10245

Removed propeller for repair by Maxwell Aircraft Service. Installed after return. See attached 8130-3.

BRIAN D. APPELGATE
CHIEF INSPECTOR
W/O # 11666

Signature: [Signature]
AZ 484708061

Propeller



Hobbs Time: 569.3
Total Time: 569.3
Cycles: 679
Work Order: S-19-00227



N698NG
Model: HC-E5A-3A
S/N: SA179
Date: 25 June 2019

Installed new beta block P/N A3026 in accordance with Hartzell manual No 147, 61-00-47.
Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

The Propeller identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order

Signed [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Date	Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
			<p>Propeller</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>N698NG Model: HC-E5A-3A S/N: SA179 Date: 12 February 2020</p> </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%; text-align: right;"> <p>Hobbs Time: 738.5 Total Time: 738.5 Cycles: 877 Work Order: S-20-00028</p> </div> </div> <p>Complied with AAIP Annual inspection using the 300hr / 12 month, 600hr / 12 month and 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. Complied with 400 hour/12 month propeller lubrication in accordance with Pilatus PC-12/47E AMM 12-20-05. Complied with 400 hour/12 month propeller detailed inspection in accordance with Hartzell Manual NO. 147, Ch. 61-00-47. Installed new beta block P/N A3026 in accordance with Hartzell manual No 147, 61-00-47. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.</p> <p>I certify that this Propeller has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.</p> <p>Signed <u>[Signature]</u> Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C</p>

			<p>Propeller</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>N698NG Model: HC-E5A-3A S/N: SA179 Date: 5 February 2021</p> </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%; text-align: right;"> <p>Hobbs Time: 1024.7 Total Time: 1024.7 Cycles: 1149 Work Order: S-20-00028</p> </div> </div> <p>Complied with AAIP Annual inspection using the 300hr / 12 month, 600hr / 12 month and 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. Complied with 400 hour/12 month propeller detailed inspection in accordance with Hartzell Manual No. 147, Ch. 61-00-47. Complied with 400 hour/12 month propeller lubrication in accordance with Pilatus PC-12/47E AMM 12-20-05. Complied with 600 hour tap test of the erosion surfaces per Hartzell manual 147, Ch. 61-00-47. Complied with 1200 hour tap test of the exposed blade surfaces per Hartzell manual 147, Ch. 61-00-47. Removed beta Block and replaced with new P/N A3026 per Hartzell Manual No. 149 Ch. 61-00-49. Found a 1 inch debond in the leading edge located 5 inches in from reference line that is within limits specified in Hartzell Manual 170 section 61-13-70 Task table 3-4 No further action required. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.</p> <p>I certify that this Propeller has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.</p> <p>Signed <u>[Signature]</u> Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C</p>
			<p>Propeller</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>N698NG Model: HC-E5A-2A S/N: SA179 Date: 8 November 2021</p> </div> <div style="width: 30%; text-align: center;">  </div> <div style="width: 30%; text-align: right;"> <p>Hobbs Time: 1308.5 Total Time: 1308.5 Cycles: 1429 Work Order: S-21-00354</p> </div> </div> <p>Complied with 300 hour / 12 month prop de-ice system check per Hartzell manual 180 Ch. 30-61-80. Complied with 400 hour / 12 month de-ice slip ring resistance check per Hartzell manual 180 Ch. 30-61-80. Installed new beta block P/N A3026 in accordance with Hartzell manual No 147 Ch. 61-00-47. Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.</p> <p>I certify that this Propeller has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.</p> <p>Signed <u>[Signature]</u> Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C</p>

Propeller

N698NG
 Model: HC-E5A-3A
 S/N: SA179
 Date: 9 March 2022



Hobbs Time: 1443.7
 Total Time: 1443.7
 Cycles: 1526
 Work Order: S-22-00126

ves,
 actions.

Complied with AAIP Annual inspection using the 300hr / 12 month, 600hr / 12 month and 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc.
 Complied with 400 hour/12 month propeller lubrication per Pilatus PC-12/47E AMM 12-20-05.
 Complied with 400 hour/12 month propeller detailed inspection in accordance with Hartzell Manual No. 147, Ch. 61-00-47.
 Complied with 300 hour / 12 month prop de-ice system check per Hartzell manual 180 ch 30-61-80 Tables 5-1 & 5-3.
 Complied with 600 hour/ 12 month tap test of the erosion surfaces per Hartzell manual 147, Ch. 61-00-47.
 Complied with 400 hour / 12 month de-ice slip ring resistance check per Hartzell Manual 180 Ch. 30-61-80.
 Installed new beta block P/N A3074 in accordance with Hartzell manual No 147, 61-00-47.
 Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Propeller has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.

Signed Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Propeller

N698NG
 Model: HC-E5A-3A
 S/N: SA179
 Date: 14 December 2022



Hobbs Time: 1712.1
 Total Time: 1712.1
 Cycles: 1840
 Work Order: S-22-00707

This propeller removed from aircraft N698NG for overhaul.

Signed Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C



INTERCONTINENTAL JET SERVICE CORP



Prop Model	Component	Serial No.	T.S.O.	T.S.N.
HC-E5A-3A	Propeller	SA179	0.0	1712.1
Blade Model NC10245B Date: 1/11/2023	Blade No. 1	B4496	0.0	1712.1
	Blade No. 2	B4509	0.0	1712.1
	Blade No. 3	B4545	0.0	1712.1
	Blade No. 4	B4499	0.0	1712.1
	Blade No. 5	B4506	0.0	1712.1

Overhauled propeller assembly and statically balanced I/A/W Hartzell Maintenance Manuals 158A rev. 19, 159 rev. 82, 127 rev. 21, 135F rev. 44, 180 rev. 39, and 202A Vol. 1 rev61, Vol. 2 rev. 32, Vol 3 rev. 42, Vol. 6 rev36, Vol. 7 rev53, Vol. 8 rev36, Vol. 9 rev. 32, Vol. 10 rev. 37, and Vol. 11 rev38. Replaced (qty 2) beta rod P/N 104033, cylinder bushing P/N 108298, hub bushing P/N 108346, beta ring P/N 105885 S/N 222282. Complied with service bulletins 387, 374, and 392. Overhaul Schedule & Service Life limit IAW HC-SL-61-61Y. Work performed in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Details of repairs are on file with this Repair Station under **W/O PROP-4639**.

Signed for INTERCONTINENTAL JET SERVICE CORP
 FAA Repair Station # IZ2R916K Hangar 27-Tulsa, Oklahoma

Date

Model: N698NG
HC-E5A-3A
S/N: SA179
Date: 18 January 2022



Hobbs Time: 1712.1
Total Time: 1721.1
Cycles: 1840
Work Order: S-22-00707

Complied with an AAIP Annual Inspection using the 300hr / 12 month, 600hr / 12 month, 1200hr / 12 month checklists in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc.
Removed and reinstalled propeller P/N: HC-E5A-3A/NC10245B, S/N: SA179 after overhaul by Intercontinental Jet Service Corp., FAA CRS# IZ2R916K on their WO#: PROP-4639, per Pilatus PC-12/47E AMM 61-10-01.
Installed dynamic balancing test equipment and ran engine using 35 PSI torque setting, Np 1680 with initial balance of .22 IPS. Installed dynamic balance weight of 7.7 grams @ #1 hole, and 17.4 grams @ #2 hole on prop AFT spinner bulkhead for total weight of 25.1 grams for final dynamic balance of .05 IPS, ground operation, and removed test equipment, per Pilatus PC-12/47E AMM 61-00-00.
Installed new beta block P/N A3026 in accordance with Hartzell manual No 147, 61-00-47.
Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Propeller has been inspected in accordance with the AAIP approved for Midland Aircraft Sales & Service, Inc. and was determined to be in an Airworthy condition.

Signed [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Propeller

Model: N698NG
HC-E5A-3A
S/N: SA179
Date: 27 October 2023



Hobbs Time: 1958.0
Total Time: 1958.0
Cycles: 2107
Work Order: S-23-00687

Complied with an Annual Inspection using Pilatus PC-12/47E AMM 300hr / 12 month, 600hr / 12 month, 1200hr / 12 month inspection forms as guides to comply with the inspection requirements of FAR 43 Appendix D.
Complied with 400 hour/12 month propeller detailed inspection in accordance with Hartzell Manual NO. 147, Ch. 61-00-47.
Complied with 400 hour/12 month propeller lubrication per Pilatus PC-12/47E AMM 12-20-05.
Complied with 400 hour / 12 month de-ice slip ring resistance check per Hartzell Manual 180 Ch. 30-61-80.
Complied with 300 hour / 12 month prop de-ice system check per Hartzell manual 180 ch 30-61-80 Tables 5-1 & 5-3.
Complied with 600 hour/12 month tap test of the erosion surfaces per Hartzell manual 147, Ch. 61-00-47.
Complied with 400 hour/ 12month propeller counterweight CPC application per Hartzell Manual NO. 147, Ch. 61-00-47.
Installed new beta block P/N A3026 in accordance with Hartzell manual No 147, 61-00-47.
Accomplished all required operational and functional checks with satisfactory results. Ground performance run good, no leaks noted.

I certify that this Propeller has been inspected in accordance with an Annual inspection and is determined to be in an airworthy condition. Pertinent details are on file under the above work order.

Signed [Signature] Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

