; Entry

East Texas H.S.I.

1874 County Rd. 1143 • Tyler, Texas 75704
Phone (903) 526-4141 • Fax (903) 595-2788

N777TQ PCE-94287 ETT-9553.2 L/H ENG ETC-9591 07/07/23 HM-9699.3

PERFORMED M.O.R.E. COMPANY REQUIREMENTS FOR STC SE00001EN STC S/N 3109.

1. PERFORMED A HOT SECTION INSPECTION.
2. SENT FUEL NOZZLES TO PRIME TURBINES FOR REWORK.
3. SENT OUTER COMBUSTION LINER OUT FOR REPAIR TO UNIFIED TURBINES.
4. REPLACED SHROUD HOUSING.
5. REPLACED ONE ITT PROBE.
6. GROUND C/T CLEARENCE TO .011.
7. TESTED ENGINE INSTRUMENTS FOR ACCURACY.
8. TOOK ENGINE OIL SAMPLE, RESULTS SENT TO ENGINE OVERHAUL SHOP FOR ANALISIS, DEEMED NORMAL WEAR AND TEAR.
9. INSPECTED CHIP DETECTOR SYSTEM.
10. PERFORMED GENERAL CONDITION INSPECTION.
11. PERFORMED COMPRESSOR WASH.
12. INSPECTED COMPRESSOR SECTION.
13. INSPECTED TURBINE EXHAUST SECTION.
14. CHANGED ENGINE OIL WITH EASTMAN 2380.
15. REPLACED P3 FILTER WITH NEW.
16. BALANCED PROPELLER.
17. PERFORMED VIBRATION SURVEY.
18. AD'S CHECKED TO AD12-09-10.

PERFORMED A SATISFACTORY ENGINE GROUND RUN AND LEAK CHECK. THIS ENGINE IS APPROVED FOR RETURN TO SERVICE. JOHN R. POWE A&P 3961241

POST INSPECTION STATUS
6/29/2023
3:24 PM

M.O.R.E. SCHEDULED INSPECTION STATUS SHEET FOR 200 HOUR AIRFRAME INSPECTION INTERVAL

PT6A-38 PT6A-41 PT6A-42 PT6A-42A X
(Put a check mark next to the appropriate engine series.)

Date: 6/29/2023 Engine Time When First Placed on MORE STC: 9553.2
Total Time Engine 9553.2 Total Cycles: 9591
Time Since Overhaul 3623.6 Cycles Since Overhaul: 2719
Engine S/N 94287 Tail #: N777TQ

TASK	TIME WHEN LAST PERFORMED		NEXT TIME DUE
Chip Detector Continuity Check (50 hrs not to exceed 55)	3623.6	+50	3673.6
Oil & Oil Filter Analysis (100 hrs not to exceed 155	3623.6	+100	3723.6
Compressor Wash (100 hrs not to exceed 155)	3623.6	+100	3723.6
General Condition Check (100 hrs not to exceed 155)	3623.6	+100	3723.6
P3 Filter clean if required (100 hrs not to exceed 155)	3623.6	+100	3723.6
Power Plant - Adjustment Test (100 hrs not to exceed 155)	3623.6	+100	3723.6
Starter Generator Gearshaft (200 hrs not to exceed 305)	3623.6	+200	3823.6
Fuel Pump Filters (200 hrs not to exceed 305)	3623.6	+200	3823.6
Fuel Nozzle Inspection (200 hrs not to exceed 305)	3623.6	+200	3823.6
Inspection of Hot Section (400 hrs not to exceed 455)	3623.6	+400	4023.6
Compressor Section Inspection (400 hrs not to exceed 455)	3623.6	+400	4023.6
Exhaust Duct Inspection (400 hrs not to exceed 455)	3623.6	+400	4023.6
Chip Detector Functional Check (400 hrs not to exceed 455)	3623.6	+400	4023.6
Engine Vibration Analysis (400 hrs not to exceed 455)	3623.6	+400	4023.6
Calibrate Engine Instruments (400 hrs not to exceed 455)	3623.6	+400	4023.6
Propeller Balancing (400 hrs not to exceed 455)	3623.6	+400	4023.6
Replace Disposable Oil Filter (1000 hrs not to exceed 1055)	3623.6	+1000	4623.6
P3 Filter Replacement (1000 hrs not to exceed 1055)	3623.6	+1000	4623.6
Bleed Valve Test (1400 hrs not to exceed 1505)	3623.6	+1400	5023.6
Fuel Nozzle Overhaul/Replacement (1400 hrs not to exceed 1505)	3623.6	+1400	5023.6
C/T Blade Inspection, USED (3000 hours)	3623.6	+3000	6623.6
C/T Blade Inspection, NEW (5000 hours)	N/A	+5000	[redacted]
Fuel Pump Overhaul (4100 hrs not to exceed 4105)	3623.6	+4100	7723.6
Fuel Control Overhaul (4100 hrs not to exceed 4105)	3623.6	+4100	7723.6
Fuel Control Special Inspection (for single engine aircraft only)	N/A	+2050	[redacted]
Low Bleed Valve Overhaul (4100 hrs not to exceed 4105)	3623.6	+4100	7723.6
High Bleed Valve Overhaul (4100 hrs not to exceed 4105)	3623.6	+4100	7723.6
Torque Limiter Overhaul (4100 hrs not to exceed 4105)	3623.6	+4100	7723.6
Prop. Governor Overhaul (4100 hrs not to exceed 4105)	3623.6	+4100	7723.6
Ignition Box Overhaul (4100 hrs not to exceed 4105)	3623.6	+4100	7723.6
Compressor Module (8000 hrs not to exceed 8005)	3623.6	+8000	11623.6
Power Section Module (8000 hrs not to exceed 8005)	3623.6	+8000	11623.6
Compressor Hub Life Limit (PWC S/B 3002)	9591		20409.0
2nd Stage Disk Life Limit (PWC S/B 3002)	9591		10409.0
3rd Stage Disk Life Limit (PWC S/B 3002)	9591		10409.0
Impeller Life Limit (PWC S/B 3002)	9591		10409.0
C/T Disk Life Limit (PWC S/B 3002)	2719		7281.0
First P/T Disk Life Limit (PWC S/B 3002)	9591		20409.0
Second P/T Disk Life Limit (PWC S/B 3002)	9591		20409.0
Unscheduled Maintenance (list tasks below)			

Log Entry

East Texas H.S.I.

1874 County Rd. 1143 • Tyler, Texas 75704
Phone (903) 526-4141 • Fax (903) 595-2788

N777TQ PCE-94286 ETT-9464.2 R/H ENG ETC-9496 07/07/23 HM-9699.3

PERFORMED M.O.R.E. COMPANY REQUIREMENTS FOR STC SE00001EN STC S/N 3108.

1. PERFORMED A HOT SECTION INSPECTION.
2. SENT FUEL NOZZLES TO PRIME TURBINES FOR REWORK.
3. SENT OUTER COMBUSTION LINER OUT FOR REPAIR TO UNIFIED TURBINES.
4. REPLACED SHROUD HOUSING.
5. REPLACED TWO ITT PROBES.
6. GROUND C/T CLEARENCE TO .011.
7. TESTED ENGINE INSTRUMENTS FOR ACCURACY.
8. TOOK ENGINE OIL SAMPLE, RESULTS SENT TO ENGINE OVERHAUL SHOP FOR ANALISIS, DEEMED NORMAL WEAR AND TEAR.
9. PERFORMED COMPRESSOR WASH.
10. CHANGED ENGINE OIL WITH EASTMAN 2380.
11. REPLACED P3 FILTER WITH NEW.
12. BALANCED PROPELLER.
13. PERFORMED VIBRATION SURVEY.
14. INSPECTED CHIP DETECTOR SYSTEM.
15. PERFORMED GENERAL CONDITION INSPECTION.
16. INSPECTED COMPRESSOR SECTION.
17. INSPECTED TURBINE EXHAUST SECTION.
18. AD'S CHECKED TO AD12-09-10.

PERFORMED A SATISFACTORY ENGINE GROUND RUN AND LEAK CHECK.THIS WNGINE IS APPROVED FOR RETURN TO SERVICE.

JOHN R. POWE A&P 3961241

POST INSPECTION STATUS
6/29/2023
3:23 PM

M.O.R.E. SCHEDULED INSPECTION STATUS SHEET FOR 200 HOUR AIRFRAME INSPECTION INTERVAL

PT6A-38 PT6A-41 PT6A-42 PT6A-42A X
(Put a check mark next to the appropriate engine series.)

Date: 6/29/2023 Engine Time When First Placed on MORE STC: 9464.2
Total Time Engine 9464.2 Total Cycles: 9496
Time Since Overhaul 3620.6 Cycles Since Overhaul: 2718
Engine S/N 94286 Tail #: N777TQ

TASK	TIME WHEN LAST PERFORMED		NEXT TIME DUE
Chip Detector Continuity Check (50 hrs not to exceed 55)	3620.6	+50	3670.6
Oil & Oil Filter Analysis (100 hrs not to exceed 155	3620.6	+100	3720.6
Compressor Wash (100 hrs not to exceed 155)	3620.6	+100	3720.6
General Condition Check (100 hrs not to exceed 155)	3620.6	+100	3720.6
P3 Filter clean if required (100 hrs not to exceed 155)	3620.6	+100	3720.6
Power Plant - Adjustment Test (100 hrs not to exceed 155)	3620.6	+100	3720.6
Starter Generator Gearshaft (200 hrs not to exceed 305)	3620.6	+200	3820.6
Fuel Pump Filters (200 hrs not to exceed 305)	3620.6	+200	3820.6
Fuel Nozzle Inspection (200 hrs not to exceed 305)	3620.6	+200	3820.6
Inspection of Hot Section (400 hrs not to exceed 455)	3620.6	+400	4020.6
Compressor Section Inspection (400 hrs not to exceed 455)	3620.6	+400	4020.6
Exhaust Duct Inspection (400 hrs not to exceed 455)	3620.6	+400	4020.6
Chip Detector Functional Check (400 hrs not to exceed 455)	3620.6	+400	4020.6
Engine Vibration Analysis (400 hrs not to exceed 455)	3620.6	+400	4020.6
Calibrate Engine Instruments (400 hrs not to exceed 455)	3620.6	+400	4020.6
Propeller Balancing (400 hrs not to exceed 455)	3620.6	+400	4020.6
Replace Disposable Oil Filter (1000 hrs not to exceed 1055)	3620.6	+1000	4620.6
P3 Filter Replacement (1000 hrs not to exceed 1055)	3620.6	+1000	4620.6
Bleed Valve Test (1400 hrs not to exceed 1505)	3620.6	+1400	5020.6
Fuel Nozzle Overhaul/Replacement (1400 hrs not to exceed 1505)	3620.6	+1400	5020.6
C/T Blade Inspection, USED (3000 hours)	3620.6	+3000	6620.6
C/T Blade Inspection, NEW (5000 hours)	N/A	+5000	[redacted]
Fuel Pump Overhaul (4100 hrs not to exceed 4105)	3620.6	+4100	7720.6
Fuel Control Overhaul (4100 hrs not to exceed 4105)	3620.6	+4100	7720.6
Fuel Control Special Inspection (for single engine aircraft only)	N/A	+2050	[redacted]
Low Bleed Valve Overhaul (4100 hrs not to exceed 4105)	3620.6	+4100	7720.6
High Bleed Valve Overhaul (4100 hrs not to exceed 4105)	3620.6	+4100	7720.6
Torque Limiter Overhaul (4100 hrs not to exceed 4105)	3620.6	+4100	7720.6
Prop. Governor Overhaul (4100 hrs not to exceed 4105)	3620.6	+4100	7720.6
Ignition Box Overhaul (4100 hrs not to exceed 4105)	3620.6	+4100	7720.6
Compressor Module (8000 hrs not to exceed 8005)	3620.6	+8000	11620.6
Power Section Module (8000 hrs not to exceed 8005)	3620.6	+8000	11620.6
Compressor Hub Life Limit (PWC S/B 3002)	9496		20504.0
2nd Stage Disk Life Limit (PWC S/B 3002)	9496		10504.0
3rd Stage Disk Life Limit (PWC S/B 3002)	9496		10504.0
Impeller Life Limit (PWC S/B 3002)	9496		10504.0
C/T Disk Life Limit (PWC S/B 3002)	2718		7282.0
First P/T Disk Life Limit (PWC S/B 3002)	9496		20504.0
Second P/T Disk Life Limit (PWC S/B 3002)	9496		20504.0
Unscheduled Maintenance (list tasks below)			

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	WO# 3755

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
R.T. Turbines Inc. --- 3397 Hwy 121 West --- Marianna, AR 72360 --- Phone 870-295-3552	WO# 3755

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
	CT Disk	3049291-01	1	A000F484	Repaired

12. Remarks:

Debladed, cleaned, inspected, and rebladed using 58 each new COP ct blades PN: E3123131-02, trued and balanced. All work performed I/A/W current P&W O/H/M PN: 3021443 rev 54.

Disk Dia: 8.550" Taper: 0.004"

13a. 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.

14a. ☑ **14 CFR 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 Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
			MW9R610J
13d. Name (Typed or Printed):	**13e. Date (dd/mmm/yyyy):**	**14d. Name (Typed or Printed):**	**14e. Date (dd/mmm/yyyy):**
		Daniel Thompson	12/JUN/2023

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 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.

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	PTPHX-060823-093200

4. ORGANIZATION Name and Address			5. Work Order/Contract/Invoice Number:
PRIMETURBINES A P&G Company	**PRIME TURBINES** 3130 N. Oakland Street Suite 104 Mesa, AZ 85215	**FAA Certificate 5TPR585C** Phone: 480-428-6341 Fax: 480-219-3587	W/O# M4C4132

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number	11. Status/Work
1	Adapter Assembly, Primary	3100456-03	7	N/A	REPAIRED
2	Adapter Assembly, Secondary	3100458-03	6	N/A	REPAIRED
3	Adapter Assembly, Inlet	3100453-03	1	N/A	REPAIRED
4	Sheath, Fuel Nozzle	3119920-01	7	N/A	REPAIRED
5	Sheath, Fuel Nozzle	3102911-01	7	N/A	REPAIRED

12. REMARKS

- Cleaned, inspected, pressure tested, function tested and repaired as necessary PT6 Fuel Nozzles.
- Reference Pratt & Whitney Canada Maintenance Manual P/N 3021442 Rev. 65, dated January 16, 2023.
- Full details of the work performed and parts used are on file under Prime Turbines work order noted in Block 5.
- In compliance with SB3250.
- East Texas HIS INC, PO N777TQ
- Set 2

13a. Certifies the items identified above were manufactured in conformity to:
€ Approved design data and are in condition for safe operation.

€ Non-approved design data specified in Block 12.

14a. ☒ 14 CFR 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 Title 14, Code of Federal Regulations part 43 and in respect to that work, the items approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
			5TPR585C
13d. Name *(TYPED OR PRINTED)*:	**13e. Date:**	**14d. Name *(TYPED OR PRINTED)***	**14e. Date *(dd/mmm/yyyy)*:**
		Jarrod Feuer	08/JUN/2023

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 aircraft engine(s)/propellers(s)/articles(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 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.

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/UNITED STATES	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	PTPHX-060823-093100

4. ORGANIZATION Name and Address			5. Work Order/Contract/Invoice Number:
PRIMETURBINES A P&G Company	**PRIME TURBINES** 3130 N. Oakland Street Suite 104 Mesa, AZ 85215	**FAA Certificate 5TPR585C** Phone: 480-428-6341 Fax: 480-219-3587	W/O# M4C4132

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial/Batch Number	11. Status/Work
1	Adapter Assembly, Primary	3100456-03	7	N/A	REPAIRED
2	Adapter Assembly, Secondary	3100458-03	6	N/A	REPAIRED
3	Adapter Assembly, Inlet	3100453-03	1	N/A	REPAIRED
4	Sheath, Fuel Nozzle	3119920-01	7	N/A	REPAIRED
5	Sheath, Fuel Nozzle	3102911-01	7	N/A	REPAIRED

12. REMARKS

- Cleaned, inspected, pressure tested, function tested and repaired as necessary PT6 Fuel Nozzles.
- Reference Pratt & Whitney Canada Maintenance Manual P/N 3021442 Rev. 65, dated January 16, 2023.
- Full details of the work performed and parts used are on file under Prime Turbines work order noted in Block 5.
- In compliance with SB3250.
- East Texas HIS INC, PO N777TQ
- Set 1

13a. Certifies the items identified above were manufactured in conformity to:
€ Approved design data and are in condition for safe operation.

€ Non-approved design data specified in Block 12.

14a. ☒ 14 CFR 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 Title 14, Code of Federal Regulations part 43 and in respect to that work, the items approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
			5TPR585C
13d. Name *(TYPED OR PRINTED)*:	**13e. Date:**	**14d. Name *(TYPED OR PRINTED)***	**14e. Date *(dd/mmm/yyyy)*:**
		Jarrod Feuer	08/JUN/2023

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 aircraft engine(s)/propellers(s)/articles(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 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.

R/A

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	22292

4. Organization Name and Address:

AERO TURBINE COMPONENTS, INC. 993 Millbury St. Worcester, MA 01607, Repair Station Certificate No. UMUR731X

5. Work Order/Contract/Invoice Number:

A24319

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	C.T. Shroud Housing	3110564-01	1	SS4018G	OVERHAULED

12. Remarks:

OVERHAULED AND INSPECTED I.A.W. PWC O/H/M # 3021443, REVISION STATUS 54, REVISION DATE FEB 07/2022
ENGINE S/N: PC-E94250
RETANING RING SECTION REPAIR IAW ATC SR295
SR 269-1

Certifies that the work specified in block 11/12 was carried out in accordance with EASA 145 and with respect to that work the [product/article] is considered ready for release to service under EASA Part 145 approval number EASA.145.6212

13a. 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 13

14a. ☒ 14 CFR 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 Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
			UMUR731X
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):
		Howard Curll	16 Jan 2023

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 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.

4/H

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	21535

4. Organization Name and Address:	5. Work Order/Contract/Invoice Number:
AERO TURBINE COMPONENTS, INC. 993 Millbury St. Worcester, MA 01607, Repair Station Certificate No. UMUR731X	A22440

6. Item:	7. Description:	8. Part Number:	9. Quantity	10. Serial Number:	11. Status/Work:
1	C.T. Shroud Housing	3100122-04	1	SS1822M	OVERHAULED

12. Remarks:

OVERHAULED AND INSPECTED I.A.W. PWC O/H/M # 3021443, REVISION STATUS 54, REVISION DATE FEB 07/2022
ENGINE S/N: PCE-80055
RETANING RING SECTION REPAIR IAW ATC SR295
SR 269-1

Certifies that the work specified in block 11/12 was carried out in accordance with EASA 145 and with respect to that work the [product/article] is considered ready for release to service under EASA Part 145 approval number EASA.145.6212

13a. Certifies the items identified above were manufactured in conformity to:		14a. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 12	
☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13.		Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.	
13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.: UMUR731X
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed): Howard Curll	14e. Date (dd/mmm/yyyy): 17/Mar/2022

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 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.

1. Approving Civil Aviation Authority/Country: FAA/United States	2. **AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 32681

4. Organization Name and Address

Unified Turbines Inc.

FAA CERT. #U5TR932N

28 Catamount Drive Milton, VT. 05468
Phone: 802-893-1000 Fax: 802-893-1055

5. Work Order/Contract/Invoice Number: N777TQ

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Outer Combustion Liner	3110188-01	1	3E547	Overhauled

12. Remarks:

Overhauled in Accordance with Pratt & Whitney Overhaul Manual #3021443 Rev#54 Dated Feb 7/2022
Repair per SRR No.724002-SRR-004 Rev# 2

"Unified Turbines" certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and with respect to that work, the aircraft component is considered ready for release to service under EASA Part-145 Approval Certificate # EASA.145.5521

13a. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in condition for safe operation.

☐ Non-approved design data specified in Block 12.

14a. ☒ 14 CFR 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 Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are:

APPROVED FOR RETURN TO SERVICE

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
			U5TR932N
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):
		Karl Deavitt	15/Jun/2023

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) 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.

1. Approving Civil Aviation Authority/Country:	2.	3. Form Tracking Number:
FAA/United States	**AUTHORIZED RELEASE CERTIFICATE** FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	32682

4. Organization Name and Address

Unified Turbines Inc.
FAA CERT. #U5TR932N
28 Catamount Drive Milton, VT. 05468
Phone: 802-893-1000 Fax: 802-893-1055

5. Work Order/Contract/Invoice Number: N777TQ

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Outer Combustion Liner	3110188-01	1	1E491	Repaired

12. Remarks:
Repaired in Accordance with Pratt & Whitney Overhaul Manual #3021443 Rev#54 Dated Feb 7/2022

"Unified Turbines" certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and with respect to that work, the aircraft component is considered ready for release to service under EASA Part-145 Approval Certificate # EASA.145.5521

13a. Certifies the items identified above were manufactured in conformity to:

☐ Approved design data and are in condition for safe operation.

☐ Non-approved design data specified in Block 12

14a. ☒ 14 CFR 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 Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are;

APPROVED FOR RETURN TO SERVICE

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
		Karl Deavitt	U5TR932N
13d. Name (Typed or Printed):	13e. Date (dd/mmm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mmm/yyyy):
		Karl Deavitt	12/Jun/2023

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

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 aircraft engine(s)/propeller(s)/article(s) 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.

PART OR MATERIAL CERTIFICATION FORM

ATA SPECIFICATION 106

2. Seller's Name:	3. Reference #:
Jetset Airmotive Company, Inc.	**28947**

4. Organization:	
Jetset Airmotive Company, Inc. Address: 6065 NW 167th STREET SUITE B-21 MIAMI, FL 33015 USA Ph: 305-825-2001, Fax: 305-825-4781	Phone#: 305-825-2001 Fax#: 305-825-4781 SITA/Wire Code: Status:

5A. Seller's Contract #: 50690	5B. Buyer's PO #: N777TQ

6.Item	7. Description	8. Manufacturer & Part Number	9.App Code	10.Qty	11. Serial/Batch #	12.Status
1	HOUSING SHROUD	3110564-01 P&WC	–	1	SN: SS418G	OH

13A. Remarks: THE MATERIAL SHIPPED AGAINST THE ABOVE NOTED PURCHASE ORDER WAS, TO THE BEST OF OUR KNOWLEDGE, MANUFACTURED BY THE ORIGINAL EQUIPMENT MANUFACTURER, PRODUCTION APPROVAL HOLDER, OR ONE OF THEIR AUTHORIZED LICENSEES AND WAS NOT OBTAINED FROM ANY U.S. GOVERNMENT SOURCE. TO THE BEST OF OUR KNOWLEDGE, BASED ON INFORMATION PROVIDED BY THE SUPPLIER AND/OR EXAMINATION OF THE LOGBOOKS AND OTHER DOCUMENTATION (WHEN IN OUR POSSESSION), THE MATERIAL LISTED ABOVE WAS NOT REMOVED FROM AN AIRCRAFT OR ENGINE THAT HAD BEEN SUBJECT TO EXTREME HEAT OR STRESS (AS IN A MAJOR ENGINE FAILURE, ACCIDENT OR FIRE) OR SALT WATER IMMERSION.

13B. Traceable To:	13C. Last Certificated Agency:
PCE-94250	AERO TURBINE COMPONENTS INC
14. New Parts/Material Verification: THE FOLLOWING SIGNATURE ATTESTS THAT THE PART(S) OR MATERIAL(S) IDENTIFIED ABOVE WAS (WERE) MANUFACTURED BY A FAA PRODUCTION APPROVAL HOLDER (PAH), OR TO AN INDUSTRY COMMERCIAL STANDARD.	18. Used, Repaired or Overhaul Parts Verification: THE FOLLOWING SIGNATURE ATTESTS THAT THE DOCUMENTATION SPECIFIED ABOVE OR ATTACHED IS ACCURATE WITH REGARD TO THE ITEM(S) DESCRIBED.
15. Signature:	19. Signature: M x Conde
16. Name: 17. Date: 6/9/2023	20. Name: MAX Conde 21. Date: 6/9/2023

NOTICE: The above signature binds the seller and the SIGNER to the accuracy of the information provided in the FORM. Should the information provided in this Form contain inaccuracies or misrepresentations, the signer and SELLER may be liable for damages and be subject to criminal prosecution under state and federal law.

PART OR MATERIAL CERTIFICATION FORM

ATA SPECIFICATION 106

2. Seller's Name:	3. Reference #:
Jetset Airmotive Company, Inc.	**28947**

4. Organization:	
Jetset Airmotive Company, Inc. Address: 6065 NW 167th STREET SUITE B-21 MIAMI, FL 33015 USA Ph: 305-825-2001, Fax: 305-825-4781	Phone#: 305-825-2001 Fax#: 305-825-4781 SITA/Wire Code: Status:

5A. Seller's Contract #: 50690	5B. Buyer's PO #: N777TQ

6.Item	7. Description	8. Manufacturer & Part Number	9.App Code	10.Qty	11. Serial/Batch #	12.Status
2	HSGCTSHY	3100122-04 P&WC	–	1	SN: SS1822M	OH

13A. Remarks: THE MATERIAL SHIPPED AGAINST THE ABOVE NOTED PURCHASE ORDER WAS, TO THE BEST OF OUR KNOWLEDGE, MANUFACTURED BY THE ORIGINAL EQUIPMENT MANUFACTURER, PRODUCTION APPROVAL HOLDER, OR ONE OF THEIR AUTHORIZED LICENSEES AND WAS NOT OBTAINED FROM ANY U.S. GOVERNMENT SOURCE. TO THE BEST OF OUR KNOWLEDGE, BASED ON INFORMATION PROVIDED BY THE SUPPLIER AND/OR EXAMINATION OF THE LOGBOOKS AND OTHER DOCUMENTATION (WHEN IN OUR POSSESSION), THE MATERIAL LISTED ABOVE WAS NOT REMOVED FROM AN AIRCRAFT OR ENGINE THAT HAD BEEN SUBJECT TO EXTREME HEAT OR STRESS (AS IN A MAJOR ENGINE FAILURE, ACCIDENT OR FIRE) OR SALT WATER IMMERSION.

13B. Traceable To:	13C. Last Certificated Agency:
PCE-80055	AERO TURBINE COMPONENTS INC

14. New Parts/Material Verification:	18. Used, Repaired or Overhaul Parts Verification:
THE FOLLOWING SIGNATURE ATTESTS THAT THE PART(S) OR MATERIAL(S) IDENTIFIED ABOVE WAS (WERE) MANUFACTURED BY A FAA PRODUCTION APPROVAL HOLDER (PAH), OR TO AN INDUSTRY COMMERCIAL STANDARD.	THE FOLLOWING SIGNATURE ATTESTS THAT THE DOCUMENTATION SPECIFIED ABOVE OR ATTACHED IS ACCURATE WITH REGARD TO THE ITEM(S) DESCRIBED.
15. Signature:	19. Signature: Max Conde
16. Name: 17. Date: 6/9/2023	20. Name: MAX Conde 21. Date: 6/9/2023

NOTICE: The above signature binds the seller and the SIGNER to the accuracy of the information provided in the FORM. Should the information provided in this Form contain inaccuracies or misrepresentations, the signer and SELLER may be liable for damages and be subject to criminal prosecution under state and federal law.

Eurotec Vertical Flight Solutions
CERTIFICATE OF CONFORMITY

SITA

No: 19979

ORIGINAL

Bill To:	Ship To:
EAST TEXAS HSI, INC 1874 CR 1143 TYLER, TX 75704	EAST TEXAS HSI, INC 1874 CR 1143 TYLER, TX 75704

Customer PO	Ship Date	Airway Bill Number
N777TQ	6/2/2023	

Part No.	Description	Cond	Qty	S/L	Control #	Cert No	PO Number
3104585-01F	THERMOCOUPLE	NS	3	1	2820-19		516

We hereby certify that the parts in this shipment conform with applicable specifications and that documentation and/or data is on file and available for examination.

Signed: 6-2-2023

For and on behalf of Eurotec Vertical Flight Solutions

Inspectors Stamp

eurotec Vertical Flight Solutions

1040 OCL Parkway
Eudora, KS 66025

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910 MARIA STREET
KENNER, LOUISIANA 70062
(504) 469-6751

EAST TEXAS HSI INC
Attn: JOHN POWE
1874 COUNTY RD 1143

TYLER TX 75704
United States

Aircraft: B200
S/N: BB1335
Tail No.: N777TQ-RH

Date: 6/9/2023
Engine S/N: PCE94286
Engine Model: PT6A-42

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com explain for detailed explanation of the statistical analysis used with your laboratory results.

CURRENT SAMPLE — ** SEE LAB COMMENTS **

Sample Date: 6/5/2023
Analysis Date: 6/7/2023
Sample Number: 50
Cylinder Type:

TSN/TSO: 3448.4
Oil Hours: unknown
Filter Hours: 424.8
Oil Added:
Filter Wt. (mgs): 57
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:			Trace 0-10%					Trace 0-10%	Major 40-100%	
Type:			AMS# 6260 or 6265							
Form:			Flakes							

Comments: EAST TEXAS HSI/MORE. A TRACE AMOUNT OF ALLOY STEEL WAS FOUND IN THE FILTER DEBRIS SENT MATCHING AMS# 6260/6265, RANGING IN SIZE FROM 185 X 174 TO 10 X 6 MICRONS. PLEASE CONTACT THE ENGINE MANUFACTURER'S SERVICE REP IF FURTHER ASSISTANCE IS NEEDED.

PREVIOUS SAMPLE 1 — Oil appears normal. Filter/Debris analysis is recommended for large particle wear. Normal | Elevated | High

Sample Date: 9/10/2014
Analysis Date: 9/11/2014
Sample Number: 45
Cylinder Type:

TSN/TSO: 8352.8
Oil Hours: 8584.9
Filter Hours: 405
Oil Added:
Filter Wt. (mgs):
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	1.5	< 0.1	< 0.1	< 0.1
(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:										
Type:										
Form:										

Comments:

PREVIOUS SAMPLE 2 — Oil appears normal. Filter/Debris analysis is recommended for large particle wear. Normal | Elevated | High

Sample Date: 9/26/2006
Analysis Date: 10/3/2006
Sample Number: 60
Cylinder Type:

TSN/TSO: 789
Oil Hours: unknown
Filter Hours:
Oil Added: 0
Filter Wt. (mgs): 0
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:										
Type:										
Form:										

Comments:

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910 MARIA STREET
KENNER, LOUISIANA 70062
(504) 469-5751

EAST TEXAS HSI INC
Attn: JOHN POWE
1874 COUNTY RD 1143

TYLER TX 75704
United States

Aircraft: KING AIR
S/N: BB1335
Tail No.: N777TQ-LH

Date: 6/9/2023
Engine S/N: PCE94287
Engine Model: PT6A-42

Values in (parenthesis) below your results are average values from all our analysis data for the same engine model with similar engine hours and oil hours. See www.avlab.com/explain for detailed explanation of the statistical analysis used with your laboratory results

CURRENT SAMPLE ** SEE LAB COMMENTS **

Sample Date: 6/5/2023
Analysis Date: 6/7/2023
Sample Number: 35
Cylinder Type:

TSN/TSO: 3534.4
Oil Hours: unknown
Filter Hours: 424.8
Oil Added:
Filter Wt. (mgs): 55
Flashpoint(deg. F):
H20 (ppm):
Total Acid No.:

*** OIL ANALYSIS RESULTS IN PARTS PER MILLION ***

Iron	Copper	Nickel	Chromium	Silver	Magnesium	Aluminum	Lead	Silicon	Titanium	Tin	Moly.
< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.1

*** FILTER ANALYSIS RESULTS ***

Material:	Stainless Steel	Carbon Steel	Alloy Steel	Bearing Alloy	Copper	Silver	Magn.	Alum.	Grit	Misc.
Amount:			Trace 0-10%					Trace 0-10%	Major 40-100%	
Type:			AMS# 6260 or 6265							
Form:			Flakes							

Comments: EAST TEXAS HSI/MORE. A TRACE AMOUNT OF ALLOY STEEL FLAKES AND FINES WERE FOUND IN THE FILTER DEBRIS SENT MATCHING AMS# 6260/6265. PLEASE CONTACT THE ENGINE MANUFACTURER'S SERVICE REP IF FURTHER ASSISTANCE IS NEEDED.