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SERVICE RECORD

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DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER.

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
			HOURS		CYCLES		
			SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
							BROUGHT FORWARD
							06/12/24 HOBBS: 2184.2 HRS, ENGTTSN: 20022.3 HRS, TSHSI 0 HRS, TSC: 2184.2 HRS, CSN: 16014, CSC: 710, CYCLES 1ST WHEEL: 8332, CYCLES 2ND WHEEL: 1203, CYCLES 3RD WHEEL: 807, CYCLES 1ST IMPELLER: 710, CYCLES 2ND IMPELLER: 436 SINCE 11/04/16. ALL WORK ACCOMPLISHED IAW ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL. R/R FUEL FILTER WITH NEW, P/N: 038493-12. VISUALLY INSPECTED 1ST IMPELLER FOR CONDITION. CLEANED AND INSPECTED P2 SENSOR. CHECKED CHIP DETECTOR FOR METAL AND OPERATION, CHECKED ALL RIGGING FOR PROPER TRAVEL AND LUBED, R/R 7 QUARTS OIL WITH NEW BP 2380 , R/R OIL FILTER WITH NEW P/N: 3001436-1, FCU INSPECTION IAW AD 16-21-07 NEXT DUE: 3184.2 HRS. HOBBS. INSPECTED TACH. GEN. SHAFT/SPLINE AND LUBED, CHECKED IGNITORS FOR EROSION, AND OPERATION, CHECKED PLENUM DRAINS FOR OPERATION, R/R FILTER AT FLOW DIVIDER TO VISUALLY INSPECT AND CLEAN, CHECKED AD'S THROUGH CURRENT BI-WEEKLY REVISION, INSPECTED HOT SECTION PLENUM FOR CRACKS IAW AD *18-17-15, SB TPE331-72-2179 NEXT DUE: 2634 HRS HOBBS OR FUEL NOZZLE CHANGE. FUEL NOZZLES WERE OVERHAULEDAT 2184 HRS. HOBBS, OVERHAUL NEXT DUE AT: 2634 HOBBS, SOAP DUE AT: 2209 HRS. HOBBS, TEST RAN ENGINE, LEAK CHECKED OK, GOVERNOR OVERSPEED CHECKED OK. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION TO THE SCOPE AND DETAIL OF 14 CFR PART 43 APPENDIX (D), ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL INSPECTION FORM AND APPLICABLE THRUSH S2R 510-G10 SERVICE MANUAL/INSPECTION FORM AND FOUND TO BE IN AN AIRWORTHY CONDITON. [redacted] AP# [redacted]

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DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER.

DATE

TAE Aerospace Inc. 2245 Airport Rd Midvale Idaho, 83645. [redacted]

Date: 05/28/2024
Engine Model: TPE331-10-511M
Engine Serial Number: P-36258C

HOBBS 2,184.2
TSN: 20,022.3

TSCAM: 2,184.2

TSHSI: 0.0

TSGBI: 2,184.2

CSN: 16,014

CSCAM: 710.0

CSHSI: 0.0

Work Performed: Disassembled engine to the extent necessary to inspect due to high-voltage current, passing through the engine. All parts identified as discrepant were repaired and replaced at this time and reassembled engine for testing. The following parts installed at this time include, overhauled FSOV p/n 394230-9-1 s/n 9782C, new PPC sleeve assembly p/n 869647-5, new 70100080-14 PPC cam assy., new prop-shaft roller bearing p/n 358360-5 s/n 23-162370-05232, and new bearing p/n 3101689-1 s/n 23-162370-000229.

C/W AD 2016-21-07 by inspection of FCU drive splines. Inspection carried out by TAE Kansas City during FCU repair.

Post Repair Testing Performed:
Engine Test Run
Leak Check
Governor Checks
Vibration Survey
Lebow Torque Calibration

SOAP required within 25 hours
See Lebow chart this date for new torque data. Ensure torque gauge is marked correctly

All work performed w/reference to: Honeywell MM 72-00-27 R10

I certify this engine to be airworthy for return to service with respect to work accomplished this date.

[redacted]

Garrett T. Bane [redacted]

****END****

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SERVICE RECORD

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DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER.

DATE	HOURS THIS FLIGHT	CYCLES THIS FLIGHT	ACCUMULATIVE TOTALS HOURS SINCE NEW	ACCUMULATIVE TOTALS HOURS SINCE O/H	ACCUMULATIVE TOTALS CYCLES SINCE NEW	ACCUMULATIVE TOTALS CYCLES SINCE O/H	DESCRIPTION OF WORK PERFORMED

TAE Aerospace Inc. 2245 Airport Rd Midvale Idaho, 83645. [redacted]

Date: 12/21/2023
Engine Model: TPE331-10-511M
Engine Serial Number: P-36258C

HOBBS 2,184.2
TSN: 20,022.3 **TSCAM:** 2,184.2 **TSHSI:** 0.0 **TSGBI:** 2,184.2

CSN: 16,014 **CSCAM:** 710.0 **CSHSI:** 0.0

Work Performed: Disassembled engine to extent necessary to perform hot section inspection. Performed prop-pitch controller inspection, and fuel control spline inspections. Reassembled components and engine for testing.

C/W AD 2006-14-03 by records update.
C/W AD 2016-21-07 by inspection of FCU and fuel pump drive splines
C/W AD 2018-17-15 by installing FPI inspected 1-piece bleed pad, combustion chamber case assembly (plenum)

Post Repair Testing Performed:
Engine Test Run
Leak Check
Governor Checks
Vibration Survey
Recompensation
Lebow Torque Calibration

SOAP required within 25 hours
New DSC data issued this date
See traceability parts list this date
See Lebow chart this date for new torque data. Ensure torque gauge is marked correctly

All work performed w/reference to: Honeywell MM 72-00-27 R10

I certify this engine to be airworthy for return to service with respect to work accomplished this date.

[redacted]

Garrett T. Bane [redacted]

****END****

PX-3107-51

[redacted] PREPARED [redacted] DIRECTIVES AT [redacted] SERVICE BULLETIN RECORD

TRACEABILITY PARTS LIST
TPE331-10-511M
P-36258C
21-Dec-23

TAE AEROSPACE

Part number	Description	Serial	QTY.	CONDITION
3101603-12	FIRST STAGE TURBINE ROTOR ASSY	5-03501-9767	1	INSPECTED
3102106-10	SECOND STAGE TURBINE ROTOR ASSY	10-156101-10514	1	INSPECTED
3102655-2	3RD STAGE TURBINE ROTOR ASSY	11-156101-03551	1	INSPECTED
3108098-1	BEARING RLR TURB	22-162111-05464	1	NEW
3101668-11	PLENUM ASSEMBLY	NSN	1	INSPECTED
3101529-3	TURBINE SUPPORT	0P-25531	1	INSPECTED
3101616-1	OIL SUPPLY TUBE	NSN	1	INSPECTED
869563-1	OIL JET	NSN	1	INSPECTED
3108066-1	NUT, HEX, EXTENDED WASHER	NSN	1	INSPECTED
3103128-2	1ST STAGE SHROUD SEGMENT	NSN	1	NEW
3101588-1	TAIL CONE	NSN	4	INSPECTED
868892-6	CURVIC GASKET	NSN	1	OVERHAULED
3107053-1	COMBUSTION LINER	NSN	1	INSPECTED
3103820-4	1ST STAGE NOZZLE SEGMENT	3P-7604	1	OVERHAULED
369876-22	LEAD IGNITION	NSN	2	OVERHAULED
369876-9	LEAD IGNITION	NSN	1	NEW
897513-1	FILTER ELEMENT, FUEL	NSN	1	NEW
3103235-11	NOZZLE FUEL ASSEMBLY	21-169016-63678, 23-169016-02414	2	NEW
3103235-11	NOZZLE FUEL ASSEMBLY	1TS00065, 1SJ00264, 1SJ00266, 1SJ00272, 1SJ00296, 1YH05228, 11-169016-0233	8	OVERHAULED

END

15JCA
OVH @ TT
Additive 12826.4

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DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
ENDORSE ALL INSPECTIONS AND REPAIRS WITH NAME, RATING AND CERTIFICATE NUMBER.

05/15/23 HOBBS: 1790.8 HRS, ENGTTSN: 19628.9 HRS, TSC: 1790.8 HRS, CSN: 15915, CSC: 611, CYCLES 1ST WHEEL: 8233, CYCLES 2ND WHEEL: 1013, CYCLES 3RD WHEEL: 690, CYCLES 1ST IMPELLER: 611, CYCLES 2ND IMPELLER: 337 SINCE 11/04/16. ALL WORK ACCOMPLISHED IAW ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL. R/R FUEL FILTER WITH NEW, P/N: 038493-12, R/R EGT HARNESS P/N: 3103920-1 AND CABLE ASSMBLY P/N: 897469-7 SEE FAA FORM 8130-3. VISUALLY INSPECTED 1ST IMPELLER FOR CONDITION, CLEANED AND INSPECTED P2 SENSOR, PERFORMED COMPRESSOR WASH IAW HONEYWELL SIL PUBLICATION NO. P331-91., CHECKED CHIP DETECTOR FOR METAL AND OPERATION, CHECKED ALL RIGGING FOR PROPER TRAVEL AND LUBED, R/R 6 QUARTS OIL WITH NEW BP 2380 , VISUALLY INSPECTED OIL FILTER, R/R STARTER/GENERATOR FOR OVERHAUL NEXT DUE: 2790.8 HRS HOBBS, R/R FCU FOR INSPECTION IAW AD 16-21-07 NEXT DUE: 2790.8 HRS. HOBBS. INSPECTED TACH. GEN. SHAFT/SPLINE AND LUBED, CHECKED IGNITORS FOR EROSION, AND OPERATION, R/R IGNITORS WITH NEW P/N: CH31547C, CHECKED PLENUM DRAINS FOR OPERATION, R/R LAST CHANCE FILTER AT FLOW DIVIDER TO VISUALLY INSPECT AND CLEAN, R/R NOZZLES AT 11 AND 6 O' CLOCK TO BORESCOPE 1ST STAGE STATOR AND WHEEL, CHECKED AD'S THROUGH CURRENT BI-WEEKLY REVISION, INSPECTED HOT SECTION PLENUM FOR CRACKS IAW AD *18-17-15, SB TPE331-72-2179 NEXT DUE: 2023HRS HOBBS OR FUEL NOZZLE CHANGE. FUEL NOZZLES WERE CHANGED AT 1573 HRS. HOBBS, OVERHAUL NEXT DUE AT: 2023 HOBBS, SOAP DUE AT: 1809.7 HRS. HOBBS, TEST RAN ENGINE, LEAK CHECKED OK, GOVERNOR OVERSPEED CHECKED OK. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION TO THE SCOPE AND DETAIL OF 14 CFR PART 43 APPENDIX (D), ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL INSPECTION FORM AND APPLICABLE THRUSH S2R 510-G10 SERVICE MANUAL/INSPECTION FORM AND FOUND TO BE IN AN AIRWORTHY CONDITON.

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PAGE

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ND CERTIFICATE NUMBER.

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HT FORWARD

04/07/21 HOBBS: 1211 HRS, ENGTTSN: 19049.1 HRS, TSC: 1211 HRS, CSN: 15749, CSC: 445, CYCLES 1ST WHEEL: 8067, CYCLES 2ND WHEEL: 730, CYCLES 3RD WHEEL: 501, CYCLES 1ST IMPELLER: 445, CYCLES 2ND IMPELLER: 171 SINCE 11/04/16. ALL WORK ACCOMPLISHED IAW ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL. R/R FUEL FILTER WITH NEW, P/N: 038493-12, VISUALLY INSPECTED 1ST IMPELLER FOR CONDITION, CLEANED AND INSPECTED P2 SENSOR, CHECKED CHIP DETECTOR FOR METAL AND OPERATION, CHECKED ALL RIGGING FOR PROPER TRAVEL AND LUBED, R/R OIL WITH NEW BP 2380, R/R STARTER/GENERATOR FOR INSPECTION, INSPECTED TACH. GEN. SHAFT/SPLINE AND LUBED, CHECKED IGNITORS FOR EROSION AND OPERATION, CHECKED PLENUM DRAINS FOR OPERATION, R/R NOZZLES AT 11 AND 6 O' CLOCK TO BORESCOPE 1ST STAGE STATOR AND WHEEL, CHECKED AD'S THROUGH CURRENT BI-WEEKLY REVISION, INSPECTED HOT SECTION PLENUM FOR CRACKS IAW AD *18-17-15, SB TPE331-72-2179 NEXT DUE: 1573 HOBBS OR FUEL NOZZLE CHANGE. FUEL NOZZLES WERE CHANGED AT 1123 HRS. HOBBS, OVERHAUL NEXT DUE AT: 1573 HOBBS, SOAP DUE AT: 1361 HRS. HOBBS, TEST RAN ENGINE, LEAK CHECKED OK, GOVERNOR OVERSPEED CHECKED OK. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION TO THE SCOPE AND DETAILOF 14 CFR PART 43 APPENDIX (D), ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL INSPECTION FORM AND APPLICABLE THRUSH S2R 510-G10 SERVICE MANUAL/INSPECTION FORM AND FOUND TO BE IN AN AIRWORTHY CONDITON.

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05/12/22HOBBS: 1410.6 HRS, ENGTTSN: 19248.7 HRS, TSC: 1410.6 HRS, CSN: 15819, CSC: 515, CYCLES 1ST WHEEL: 8137, CYCLES 2ND WHEEL: 842, CYCLES 3RD WHEEL: 579, CYCLES 1ST IMPELLER: 515, CYCLES 2ND IMPELLER: 241 SINCE 11/04/16. ALL WORK ACCOMPLISHED IAW ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL. R/R FUEL FILTER WITH NEW, P/N: 038493-12, VISUALLY INSPECTED 1ST IMPELLER FOR CONDITION, CLEANED AND INSPECTED P2 SENSOR, CHECKED CHIP DETECTOR FOR METAL AND OPERATION, CHECKED ALL RIGGING FOR PROPER TRAVEL AND LUBED, R/R OIL WITH NEW BP 2380, VISUALLY INSPECTED OIL FILTER, R/R STARTER/GENERATOR FOR INSPECTION, INSPECTED TACH. GEN. SHAFT/SPLINE AND LUBED, CHECKED IGNITORS FOR EROSION AND OPERATION, CHECKED PLENUM DRAINS FOR OPERATION, R/R LAST CHANCE FILTER AT FLOW DIVIDER TO VISUALLY INSPECT AND CLEAN, R/R NOZZLES AT 11 AND 6 O' CLOCK TO BORESCOPE 1ST STAGE STATOR AND WHEEL, CHECKED AD'S THROUGH CURRENT BI-WEEKLY REVISION, INSPECTED HOT SECTION PLENUM FOR CRACKS IAW AD *18-17-15, SB TPE331-72-2179 NEXT DUE: 1573 HOBBS OR FUEL NOZZLE CHANGE. FUEL NOZZLES WERE CHANGED AT 1123 HRS. HOBBS, OVERHAUL NEXT DUE AT: 1573 HOBBS, SOAP DUE AT: 1508.6 HRS. HOBBS, TEST RAN ENGINE, LEAK CHECKED OK, GOVERNOR OVERSPEED CHECKED OK. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION TO THE SCOPE AND DETAIL OF 14 CFR PART 43 APPENDIX (D), ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL INSPECTION FORM AND APPLICABLE THRUSH S2R 510-G10 SERVICE MANUAL/INSPECTION FORM AND FOUND TO BE IN AN AIRWORTHY CONDITON.

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TOTALS TO DATE

PX-3107-51

PREPARED [redacted]

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DESCRIPTION OF INSPECTIONS, REPAIRS AND OVERHAULS
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DATE

06/01/20 HOBBS: 1086.7 HRS., ENGTTSN: 18924.8 HRS, TSC: 1086.7 HRS, CSN: 15707, CSC: 403, CYCLES 1ST WHEEL: 8025, CYCLES 2ND WHEEL: 667, CYCLES 3RD WHEEL: 455, CYCLES 1ST IMPELLER: 403, CYCLES 2ND IMPELLER: 129 SINCE 11/04/16. ALL WORK ACCOMPLISHED IAW ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL. R/R FUEL FILTER WITH NEW, VISUALLY INSPECTED 1ST IMPELLER FOR CONDITION, CLEANED AND INSPECTED P2 SENSOR, CHECKED CHIP DETECTOR FOR METAL AND OPERATION, CHECKED ALL RIGGING FOR PROPER TRAVEL AND LUBED, R/R OIL WITH NEW BP 2380, R/R STARTER/GENERATOR FOR INSPECTION, INSPECTED TACH. GEN. SHAFT/SPLINE AND LUBED, CHECKED IGNITORS FOR EROSION AND OPERATION, CHECKED PLENUM DRAINS FOR OPERATION, R/R NOZZLES AT 11 AND 6 O' CLOCK TO BORESCOPE 1ST STAGE STATOR AND WHEEL, CHECKED AD'S THROUGH CURRENT BI-WEEKLY REVISION, INSPECTED HOT SECTION PLENUM FOR CRACKS IAW SB TPE331-72-2179. NOZZLES WERE CHANGED AT 1075.9 HRS. HOBBS, OVERHAUL NEXT DUE AT: 1525.9 HRS. HOBBS, SOAP DUE AT: 1219.1 HRS. HOBBS, TEST RAN ENGINE, LEAK CHECKED OK, GOVERNOR OVERSPEED CHECKED OK. I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION TO THE SCOPE AND DETAILOF 14 CFR PART 43 APPENDIX (D), ALLIED SIGNAL TPE331-10 MAINTENANCE MANUAL INSPECTION FORM AND APPLICABLE THRUSH S2R 510-G10 SERVICE MANUAL/INSPECTION FORM AND FOUND TO BE IN AN AIRWORTHY CONDITON.

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