

1. Approving National Aviation Authority/ Country:
FAA/UNITED STATES

2

AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
10831708

4. Organization Name and Address:
Delavan Inc
d/b/a Turbine Fuel Technologies
2200 Delavan Drive
West Des Moines, Iowa 50265

Cert. No. KT2R964K

5. Work Order /Contract/Invoice Number:
4202073504

6. Item:	7. Description:	8. Part Number:	9. Eligibility*	10. Quantity:	11. Serial/ Batch No:	12. Status/Work:
01	36-300 FUEL NOZZLE ASSY	3830187-3	N/A	1	SERIAL# 0014	OVERHAULED

13. Remarks: FULL DETAILS OF WORK CARRIED OUT PER MFG ORDER # 629072
OVERHAULED To: IRM 49-26-51 Rev. 15 DATED APRIL 30,2009

This document was signed electronically

"Certifies that the work specified in blocks 12/13 was performed in accordance with EASA,IR 145 and with respect to that work, the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number:EASA.145.4378"

14. Certifies that items identified were manufactured in conformity to:
☐ Approved design and are in condition for safe operation
☐ Non-approved design data specified in Block 13.

15. Authorized Signature:

19 ☒ 14 CFR 43.9 Return to Service
Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.

20. Authorized Signature:
Sandra Wolfe

21. Approval/Certificate No.:
KT2R964K

16. Approval/Authorization No.:

17. Name (Typed or Printed):
SANDRA WOLFE

18. Date (m/d/y):
JUL 31 2009

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 accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 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.

FAA Form 8130-3 (6-01) Delavan computer generated form - #2534-A

"The part number marked on a part may include an alpha suffix. This alpha suffix denotes the part's revision level. All revision levels for a given part number are fully interchangeable. The part's revision level is not required for this certification."

DLN PIN 57524-3HL

NSN: 0052-00-012-9005

INSPECTION AND TEARDOWN REPORT FAA REPAIR STATION #: KT2R964K

Delavan Gas Turbine Products Division
2200 Delavan Drive
West Des Moines, IA 50265-010
Telephone : 515-274-1561
Fax : 515-271-7200

ITR #: 10831708
Date Received : 07/20/09
DLN M.O. #: 629072
Part#: 57524-3HL
DLN Lot #: H256503
DLN Sales Order #: 09013633
Removed from Engine S/N :

Serial # As Received : 0014

As Shipped

DLN P/N : 57524-3HL
S/N : 0014
Cust P/N : 3830187-3

Changes

As Received

DLN P/N : 57524-3HL
S/N : 0014
Cust P/N : 3830187-3

Special Instructions : 8130 REQUIRED

RECD

Customer : HONEYWELL INT'L INC. HL \$
Cust PO #: 4202073504

SHIP
Customer :
Cust PO #:
Date Ship :

2009 JUL 31

PRELIMINARY INSPECTION AS RECEIVED AND HIDDEN DAMAGE INSPECTION (MARK ALL THAT APPLY) (EXPLAIN WHERE APPLICABLE)

Clean ☒ Dirty ☒
Nicks, Dents, Etc. ☒ Contaminated ☐ Damaged ☐ Cracks ☐
Other ☐ No Deviation ☐

Remarks:

Parts Scrapped Replaced Part#
2 2 47800 STRAINER, PRIMARY
56454 RETAINING NUT
57525 CONE, ORIFICE

Parts Scrapped Replaced Part#
2 2 57670 56456

Description
RING, RETAINING
BODY

Parts Scrapped Replaced Part#
1 1 56718 57448

Description
PIN
DISTRIBUTOR

WORK ACCOMPLISHED

Overhaul ☒ Inspected/Tested
Repaired ☐ Modified ☐

Final Flow 78

Fuel Temp Test Points
Air 100/0
Fuel 450/300

Air Temp F Limits PPH
5.75 - 6.25
41.2 - 44.6

P Bar HGA Actual PPH
6.04
41.3

Test Fuel : MIL-C 7024C Type II

Reflow
Inspec

Spray
Quality
OK

Actual
Angle
87°
88°

Angle
Required
70-90 DEG.
70-90 DEG.

NO LEAKS

DYNAMIC PT

PRESSURE TEST

P



Operator :

Date : 09-7-30

Test Stand #: 82

Procedure Doc #: IRM 49-26-51

Rev: 15

SB #: R57980

Generated 07/21/09 #2223-D
Changes to this form are not allowed without prior Accountable Manager approval.



1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 890000694688Y15 304497376	
4. Organization Name and Address: Honeywell International Inc 1944 E Sky Harbor Circle PHOENIX AZ 85034		Repair Station ZN3R030M		5. Work Order/Contract/Invoice Number: C441R91B 304467307 Page 1 of 1	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial / Batch Number:
001	NOZZLE DUAL ORF FUEL	3830187-3	N/A	1	N/A
12. Status / Work: INSPECTED / TESTED					

13. Remarks :
THE SERVICE SPECIFIED HAS BEEN ACCOMPLISHED IN ACCORDANCE WITH: IRM 49-26-51 REV.15 DATED APR 30 2009
THIS ARTICLE WAS INSPECTED AND ENSURED ALL HONEYWELL/CUSTOMER REQUIREMENTS HAVE BEEN COMPLIED WITH AND OVERHAULED PER ENCLOSED 8130-3 FORM TRACKING #10831708 DATED JUL 31 2009.
Additional Information
Alternate SN outgoing : 0014
SERIALIZATION NOT REFERENCED IN BLOCK 11 IS NOT REQUIRED OR TRACEABLE BY HONEYWELL INTERNATIONAL INC. REFERENCE FAA ORDER 8130.21

SEE ATTACHED DOCUMENTS AS APPLICABLE FOR WORK PERFORMED
HONEYWELL CERTIFIES THAT THE WORK SPECIFIED IN BLOCKS 12/13 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART 145 AND, WITH RESPECT TO THAT WORK, THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART 145 APPROVAL NUMBER: EASA 145.4136

14. 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.		19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 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.	
15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: <i>Susan Blake</i>	21. Approval/Certificate No.: ZN3R030M
17. Name (Typed or Printed):	18. Date (m d y):	22. Name (Typed or Printed): Susan Blake	23. Date (m d y): AUG 08 2009

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 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 an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.
* Installer must cross check eligibility with applicable technical data