

**1. Approving Civil Aviation Authority/Country:**  
 FAA / UNITED STATES

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

**3. Form Tracking Number:**  
 PA1328019

**4. Organization Name and Address:**  
 IS3R590L Perform Air International, Inc. · 463 S. Hamilton Ct. · Gilbert, AZ 85233

**5. Work Order/Contract/Invoice Number:**  
 115230

**6. Item:** 1  
**7. Description:** GENERATOR, VACUUM

**8. Part Number:** 14330-375

**9. Quantity:** 1

**10. Serial Number:** 9494

**11. Status:** WORK ORDER OVER HAULLED

**12. Remarks:** Work Order: 328019  
 Mechanical Performing Work: Mark Davis  
 Work Completion Date: 10/19/2023  
 TSO = 0.0 hrs.

Technical Data: 38-31-81  
 Revision Number: 12  
 Revision Date: 6/10/2022

Cust Part Number: N/A  
 Cust Serial Number: N/A

AD review accomplished. Work accomplished LAW CMM 38-31-81, Rev. #12, dated 06/10/2022.

Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145 and in respect that work the aircraft is considered ready for release to service under EASA Part 145 approval no. EASA.145.4741.

**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

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:** [Signature]

**13c. Approval/Authorization No.:** IS3R590L

**14c. Approval/Certificate No.:** IS3R590L

**13d. Name (Typed or Printed):** Randy Wallace

**14d. Name (Typed or Printed):** Randy Wallace

**14e. Date (dd/mm/yyyy):** 19 Oct 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 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 certificate issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Perform Air International, Inc.  
463 South Hamilton Court  
Gilbert, Arizona 85233  
Tel. (480) 610-1500  
Fax. (480) 610-1501



Date: 10/19/2023

FAA Repair Station IS3R590L

EASA Repair Station EASA.145.4741

CAAC Repair Station F00100571



**Customer Information**

Customer Code: F0014 Customer Name: Burwood Aviation Supplies Ltd  
Warranty Terms for Repair: 12 Warranty Terms for Overhaul: 18

**Information from Repair Order / Purchase Order**

Repair Order#: 115230 Mfg P/N from RO/PO: 14330-375 Mfg S/N from RO/PO: 9494  
Nomenclature: GENERATOR, VACUUM RO/PO Disposition: Overhaul Warranty Request: No  
Reason for Removal: Please quote to Customer. For additional information please see Repair Order.

**Information for Part Received**

Work Order#: 328019 Mfg P/N Received: 14330-375 Mfg S/N Received: 9494  
Date Received: 7/31/2023  
Fault Confirmed: No Normal Wear and Tear: No Any Unrelated Faults: Yes  
Preliminary Inspection: AD review accomplished. See customer discrepancy. Dirty, corroded. Inspected and tested unit IAW CMM 38-31-81 Rev.12, dated 06/10/2022. Received unit dirty with sampling case. Impeller shaft seized, exhaust tip corroded. Unable to bench test unit due to impeller shaft being seized. Motor passed electrical test. Teardown required for further evaluation and overhaul per customer request.  
Warranty Granted: None  
Warranty Comments: N/A

**Information for Part Shipped Back**

Mfg P/N Out: 14330-375 Mfg S/N Out: 9494  
Customer P/N Out: N/A Customer S/N Out: N/A  
Status: OVERHAULED Manual Ref#: 38-31-81  
Teardown Procedure: Disassembled, cleaned and inspected unit IAW CMM 38-31-81 Rev. #12, dated 06/10/2022. Found scroll housing (1-100) corroded, impellers (1-50, 1-135) corroded/warped, plate (1-85) pitted/warped, bearings (1-200D, 1-225C) dried/worn. Segmented seal (1-190) cracked, cure dated items worn in need of replacement. Replace all unserviceable parts and cure dated items. Scroll housing sent to M/S for Repair. Order parts.  
Repair Procedure: Reassembled unit IAW CMM 38-31-81, Rev. #12, dated 06/10/2022. Replaced defective items.  
Test Procedure: Tested unit serviceable IAW CMM 38-31-81, Rev. #12, dated 06/10/2022. No faults found.  
Modifications Incorporated: None.  
Parts Replaced:

Mechanic: Mark Davis  
Certificate #: 2796539  
Date Repaired: 10/19/2023

Inspector: Randy Wallace  
Date Inspected: 10/19/2023

