

1. Approving Civil Aviation
Authority/Country

Transport Canada

AUTHORIZED RELEASE CERTIFICATE FORM ONE

3. Form Tracking Number.

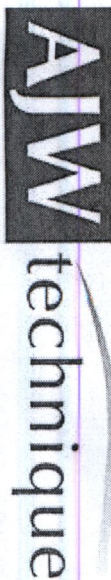
WO149948

4. Organization Name and Address.

AJW Technique Inc
7055, rue Alexander Fleming
Saint-Laurent QC H4S-2B7
Canada

5. Work Order, Contract or
Invoice Number:

R418901



6. Item: 7. Description:

1 HYDRAULIC PUMP - ELECTRIC

8. Part Number:

974540

9. Quantity:

1.00

10. Serial/Batch Number:

G1740868

11. Status/Work:

OVERHAULED

12. REMARKS

UNIT OVERHAULED AND TESTED AS PER CMM 29-10-72 REV# 7 DATED: 03/JUNE/2011.

TSN: UNK CSN: UNK
TSO: 0 Hrs CSO: 0

FOR ADDITIONAL INFORMATION REFER TO TEAR DOWN / INSPECTION REPORT.

PRINTED FROM ELECTRONIC FILE

EASA Approval No.: EASA 145.7260
Maintenance performed in accordance with FAR 43.17

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. Certifies that, except where otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was performed in accordance with Canadian Aviation Regulations.

☒ CAR 571.10 Maintenance Release

☒ Other regulation specified in Block 12

13b. Signature:

13c. Approved Organization Number

14b. Signature



14c. Approval Organization Number

33-12

13d. Name (Typed or Printed):

13e. Date

14d. Name (Typed or Printed)

Patrick Fregeau

14e. Date (dd/mm/yyyy)

29-Nov-2023

Installer Responsibilities

This certificate does not constitute authority to install the part.

Installers working in accordance with the national regulations of a country other than specified in Block 1, must ensure that their regulations recognize certifications from the country specified.
Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.

AJW TECHNIQUE

100-7055 Alexander-Fleming, Saint-Laurent, QC, H4S 2B7, Canada
www.ajw-group.com

Tear Down/Inspection Report

Work Order: WO149948
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To:

A J Walter Aviation Ltd.
THE HEADQUARTERS
MAYDWELL AVENUE
SLINFOLD, WEST SUSSEX RH13 0AS
UNITED KINGDOM

Code: AJW01**Fax:****Descr:** HYDRAULIC PUMP - ELECTRIC**Phone:****P/N:** 974540**Qty:** 1**Email:****S/N:** G1740868**Mfg:** EATON LIMITED**TSN:** UNK**TSO:** 0**TSR:** 0**CSN:** UNK**CSO:** 0**CSR:** 0**P/N Out:** 974540**S/N Out:** G1740868**Symptoms****CODE:** REASON FOR REMOVAL**DETAILS:** RFR; LEAKAGE FROM PUMP ELECTRIC HOUSING.**TSN:** UNK**CSN:** UNK**Faults:****CODE:** CLEANING**DETAILS:** EXTERNAL CLEANING REQUIRED PRIOR TO TEST ARRIVAL / EVALUATION.**CODE:** INITIAL TEST FAILURE**DETAILS:** TEST ARRIVAL FINDINGS:

- UNIT HEAVY SHAFT SEAL LEAKAGE FROM SEEP DRAIN.
- OUTLET FLOW BELOW CMM LIMITS ON ALL TEST POINTS.

CODE: DISASSEMBLY / INSPECTION FINDINGS**DETAILS:** DISASSEMBLY FINDINGS:

- Mating ring P/N 974539 sealing surface worn beyond CMM limits. To be replaced with new.
- Shaft seal P/N 997693 sealing surface worn beyond CMM limits. To be replaced with new.
- Port housing P/N 3022115-302 running surface worn. To be re-lapped.
- Yoke control spring inner P/N 971349 weak, below CMM limits. To be replaced with new.
- Yoke control spring outer P/N 971350 weak, below CMM limits. To be replaced with new.
- Unit received missing all shipping caps. New approved shipping caps will be installed to prevent external leakage during shipping.
- All seals, packings and back-ups will be replaced with new.

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CODE: OVERHAUL

DETAILS: Repair requested. Due to condition of the unit and the extent of the work required, an Overhaul will be performed AS PER CMM 29-10-72 REV# 7 DATED: 03/JUNE/2011.

- Mating ring P/N 974539 will be replaced with new.
- Shaft seal P/N 997693 will be replaced with new.
- Port housing P/N 3022115-302 will be re-lapped.
- Yoke control spring inner P/N 971349 will be replaced with new.
- Yoke control spring outer P/N 971350 will be replaced with new.
- New approved shipping caps will be installed to prevent external leakage during shipping.
- All seals, packings and back-ups will be replaced with new.

Corrective Action

CODE: OVERHAULED

DETAILS: UNIT OVERHAULED AND TESTED AS PER CMM 29-10-72 REV# 7 DATED: 03/JUNE/2011.

- Mating ring P/N 974539 replaced with new.
- Shaft seal P/N 997693 replaced with new.
- Port housing P/N 3022115-302 re-lapped.
- Yoke control spring inner P/N 971349 replaced with new.
- Yoke control spring outer P/N 971350 replaced with new.
- New approved shipping caps installed to prevent external leakage during shipping.
- All seals, packings and back-ups replaced with new.

** Nicks, scratches, blemish, gouges, dents, etc. will not affect fit form or function of the unit.**

PN	Description	Reason	Qty Needed	Disposition
3022115-302	VALVE PLATE	WO	1	Work Order
3029182-006	PLUG, SHIPPING	CM	1	Consumable
3029182-008	PLUG, SHIPPING	CM	1	Consumable
3029182-012	PLUG, SHIPPING	CM	1	Consumable
971349	SPRING, INNER	WO	1	Consumable
971350	SPRING, OUTER	WO	1	Consumable
974539	RING, MATING	WO	1	Consumable
997375	MOLDED GASKET	NR	1	Consumable
997441	GROMMET	WO	1	Consumable
997693	ELEMENT SEALING	WO	1	Consumable
MS172224	LOCK WASHER	NR	1	Consumable

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MS28774-011	RING	NR	4	Consumable
MS28774-137	PACKING	NR	2	Consumable
NAS1611-011A	RING	NR	2	Consumable
NAS1611-012A	RING	NR	1	Consumable
NAS1611-015A	RING	NR	1	Consumable
NAS1611-025A	O RING	NR	1	Consumable
NAS1611-034A	PACKING	NR	1	Consumable
NAS1611-127A	PACKING	NR	1	Consumable
NAS1611-137A	RING	NR	1	Consumable
NAS1612-10A	PACKING	NR	2	Consumable
NAS1612-12A	RING	NR	1	Consumable
NAS1612-6A	PREFORMED PACKING	NR	1	Consumable
NAS1612-8A	PACKING	NR	2	Consumable

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REASON LEGEND

- (AD) AD: Part replaced due to Air worthiness Directive that needs to be incorporated. This code will include the last digits of the "AD".
- (BR)* BROKEN: Part found Broken, cracked, crushed, ruptured, split, frayed, deformed. "NOT Customer Induced".
- (BU)* BURNT/MELTED: Part found burnt, overheated, scorched, seared, blistered, short circuited etc...
- (CID) CUSTOMER INDUCED DAMAGED: Part which is found damaged due to lack of maintenance, incident, mishandling, FOD etc....
- (CO)* CORRODED: Part found corroded, pitted, rusted, decayed, oxidized, powdery and is beyond repair.
- (CMM) 100% CMM: Part which is a mandatory replacement as per CMM.
- (CR) CUSTOMER REQUEST
- (CT)* CONTAMINATED: Part found contaminated by foreign object, debris, water, oil etc..." NOT Customer Induced".
- (DE)* DEFECTIVE: Part defective, intermittent or loose
- (DL)* DELAMINATED: Part found delaminated.
- (LE)* LEAKING: Part Leaking, seeping, porous beyond acceptable level as per CMM
- (MI) MISSING: Part missing to complete a unit as per CMM. "Customer responsibility"
- (MOD) MODIFICATION: Part requires modification as per CMM or other technical documentation. Part may be modified or replaced with a modified part.
- (NR)* NOT REUSABLE: Part that cannot be reused EX: O-ring, rings, gaskets, packing's, retainers, stripped screws, lock nuts, seals, lock washer.
- (OOS) OUT OF SCOPE: Unit discrepancy not directly caused by customer and is above and beyond normal wear and tear or excluded from applicable commercial contracts.
- (OOT)* OUT OF TOLERANCE: Part did not meet the tolerance or calibration as per CMM.
- (RP)* RUPTURED: Part Punctured, ripped, torn, cut, deteriorated. (For Diaphragm, bellows...)
- (RW)* REWORKED: Part reworked, refurbished, balanced, machined as per CMM.
- (SB) SB: Part replaced due to Service Bulletin that needs to be incorporated. This code will include the last digits of the "SB"
- (SE)* SEIZED: Part seized.
- (SIL) SIL: Part replaced due to Service Information Letter that needs to be incorporated. This code will include the last