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

2.

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: **32305**

4. Organization Name and Address: *PneuDraulics, Inc., 8575 Helms Avenue Rancho Cucamonga, CA 91730 (REPAIR STN # PD6R469J) (REF: EASA.145.4753)*

5. Work Order/Contract/Invoice Number: **37799*1**

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
001	FLOW REG	6373-1 (S273A231-1)	N/A	1	227	OVERHAULED

13. Remarks: *Ref: RPO#:* **RPO40925** *SO#:* **37799** *RMA#:* **33938**

See attached teardown report for work performed.
Meets FAA-Approved type data for part number shown in block 8.
This form certifies that the work specified in block 12 was carried out in accordance with Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number EASA.145.4753.
Work performed in accordance with **CMM 32-51-01, Rev 0, DATED 24 JAN 2003**

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

☐ Approved design data and are in condition for safe operation

☐ Non-appro

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Certific. Sticker

363 407200

15. Authorized Sig ...orization No.:

17. Name (Typed o

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.

20. Authorized Signature: Robert J. Mireles

21. Approval/Certificate No.: **PD6R469J**

22. Name (Typed or Printed): ROBERT J. MIRELES

23. Date (m/d/y): JAN, 23, 2007

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 Block1.

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.

PREPARED BY	PneuDraulics, Inc 8575 HELMS RANCHO CUCAMONGA, CA 91730-4591	PAGE 10 OF 10
R. VanNimwegen		
DATE 11-13-95	ACCEPTANCE TEST PROCEDURE	REV. D / DATE 07-08-96

RPO 40925

ATP REV F

TEST DATA SHEET
PAGE 2 OF 2
PNEUDRAULICS, INC. MODEL 6373-1, SN 727

REF. PARA.	TEST TITLE	TOLERANCE	TEST DATA
4.3	Reverse Flow Direction		
4.2.1	Flow Range 250 PSIG	7.6 - 10.0 GPM	7.9
4.2.1.1	Increasing Inlet Pressure 500 PSIG	7.6 - 10.0 GPM	Flow 7.7
		120 PSID (max)	Delta P 106
	1000 PSIG	7.6 - 10.0 GPM	Flow 7.7
		120 PSID (max)	Delta P 100
	2000 PSIG	7.6 - 10.0 GPM	Flow 7.8
		120 PSID (max)	Delta P 106
	3000 PSIG	7.6 - 10.0 GPM	Flow 7.7
		120 PSID (max)	Delta P 100
4.2.1.2	Increasing Outlet Pressure 200 PSIG	7.6 - 10.0 GPM	Flow 8.6
			Delta P 2800
	500 PSIG	7.6 - 10.0 GPM	Flow 8.4
			Delta P 2500
	1000 PSIG	7.6 - 10.0 GPM	Flow 8.4
			Delta P 7000
	2000 PSIG	7.6 - 10.0 GPM	Flow 8.0
			Delta P 1000

Tonas Leonard
Responsible Test Technician

1/19/07
Date

Robert J. Mireles 1/23/07
PneuDraulics Quality Control

TEST STAND # 54

CAGE CODE 06177	A	ATP 6373-1

PneuDraulics, Inc.

8575 HELMS AVENUE
RANCHO CUCAMONGA, CA 91730-4591
TEL (909) 980-5366 FAX (909) 945-2821

Teardown and Failure Analysis Report

LUFTHANSA TECHNIK AG 1441 Customer PO: **250295916** Customer PN Rec'd: **S273A231-1** Shipped: **S273A231-1** Customer Rejection No.:	FAA Repair Station PD6R469J Sales Order No.: **37799** RPO No.: **RPO40925** PDI PN Rec'd: **6373-1** Shipped: **6373-1** Orig SN: **227** Shipped SN(s): **227**

OVERHAULED

Customer reason for return:
TEST AND REPAIR ACC TO LATEST DOCUMENTS. REMOVED FOR TEST.

PDI preliminary inspection findings:
UNIT RECEIVED WITH NORMAL EVIDENCE OF INSTALLATION.

Teardown findings and failure analysis (cause of failure(s)):
No significant observations noted.

Work performed and correction of defect(s):
Unit was disassembled, cleaned and reassembled with parts listed below. Unit was tested IAW approved ATP and passed all tests performed.

Parts Replaced

Part Number	Part Description	Qty	Part Number	Part Description	Qty
61112	SPRING	2	61121	ORIFICE PLATE	2
M8791/1-116	BACKUP	4	M8791/1-216	BACKUP	4
NAS1149C0516R	WASHER	4	NAS1611-116	PACKING	2
NAS1611-216	PACKING	2			

All work accomplished in accordance with the applicable technical data and regulatory requirements.

Robert J. Mueller

Quality Department Representative

1/23/07

Date

ATP REV F

TEST DATA SHEET
PAGE 1 OF 2
PNEUDRAULICS, INC. MODEL 6373-1, SN 227

REF. PARA.	TEST TITLE	TOLERANCE	TEST DATA
2.0	Examination of Product	Conforms to Dwg 6373-1/-2 Drip Dry Weight 1.60 lbs max.	(Yes) ✓ 1.4 lbs.
4.1 4.1.1	Proof Pressure Low Pressure - 5 PSIG	There shall be no evidence of external leakage, permanent deformation or subsequent malfunction.	pass
4.1.2	High Pressure - 4500 PSIG		pass
4.2 4.2.1	Initial Flow Direction Flow Range		
	250 PSIG	7.6 - 10.0 GPM	8.2
4.2.1.1	Increasing Inlet Pressure 500 PSIG	7.6 - 10.0 GPM	Flow 8.2
		120 PSID (max)	Delta P 120
	1000 PSIG	7.6 - 10.0 GPM	Flow 8.9
		120 PSID (max)	Delta P 120
	2000 PSIG	7.6 - 10.0 GPM	Flow 8.8
		120 PSID (max)	Delta P 120
	3000 PSIG	7.6 - 10.0 GPM	Flow 8.9
		120 PSID (max)	Delta P 120
4.2.1.2	Increasing Outlet Pressure 200 PSIG	7.6 - 10.0 GPM	Flow 9.2
			Delta P 2800
	500 PSIG	7.6 - 10.0 GPM	Flow 9.1
			Delta P 2500
	1000 PSIG	7.6 - 10.0 GPM	Flow 9.0
			Delta P 2000
	2000 PSIG	7.6 - 10.0 GPM	Flow 8.8
			Delta P 1000