

1. Approving National Aviation Authority/Country: FAA / UNITED STATES		2.		3. Form Tracking Number: 37315			
4. Organization Name and Address: PneuDraulics, Inc., 8575 Helms Avenue Rancho Cucamonga, CA 91730				5. Work Order/Contract/Invoice Number: 43710*001			
6. Item: 001		7. Description: FLOW REG		8. Part Number: 6373-2 (S273A231-2)		9. Eligibility: * N/A	
10. Quantity: 1		11. Serial/Batch Number: 033		12. Status/Work: OVERHAULED			
13. Remarks: Ref: RPO#: RPO45792 SO#: 43710 RMA#: 38914							
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 1/24/2003							
14. Certifies the items identified above were manufactured in conformity to:				19. ☒ 14 CFR 43.9 Return to Service ☒ Other regulation specified in Block 13			
☐ Approved design data and are in condition for safe operation ☐ Non-approved design data 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>Gene T. Chavez</i>		21. Approval/Certificate No.: PD6R469J	
17. Name (Typed or Printed):		18. Date:		22. Name (Typed or Printed): GENE T. CHAVEZ		23. Date (m/d/y): FEB 29 2008	
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.							

PREPARED BY

R. Vannimwengen

DATE

11-13-95

RPO

45792

Pneumatics, Inc

8575 HELMS
RANCHO CUCAMONGA, CA 91730-4591

PAGE

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OF

10

ACCEPTANCE TEST PROCEDURE

REV.

DATE

D

07-08-96

TEST DATA SHEET
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PNEUMATICS, INC. MODEL 6373-2, SN 033

ATP
REV

F

REF.
PARA.

TEST TITLE

Examination of Product

2.0

4.1
4.1.1

Proof Pressure -
Low Pressure - 5 PSIG
High Pressure - 4500 PSIG

4.1.2

There shall be no evidence of
external leakage, permanent
deformation or subsequent
malfunction.

Pass
Pass

Conforms to DWG 6373-1/2
Drip Dry Weight 1.60 lbs max.

1.43 lbs.
(Yes)
C

TOLERANCE

TEST
DATA

4.2
4.2.1

Initial Flow Direction
Flow Range
250 PSIG
Increasing Inlet Pressure
500 PSIG

4.2.1.1

Increasing Outlet Pressure
200 PSIG

4.2.1.2

200 PSIG

500 PSIG

2.7 - 3.3 GPM

Flow

2.8 GPM

Delta P 2.500 PSID

Flow

2.8 GPM

Delta P 2.000 PSID

Flow

2.8 GPM

2.7 - 3.3 GPM

2000 PSIG

2.7 - 3.3 GPM

1000 PSIG

2.7 - 3.3 GPM

500 PSIG

2.7 - 3.3 GPM

Flow

2.8 GPM

Delta P 2.800 PSID

Flow

2.8 GPM

Delta P 2.500 PSID

Flow

2.8 GPM

Delta P 2.000 PSID

Flow

2.8 GPM

Delta P 1.000 PSID

CAGE CODE

06177

ATP 6373-2

TEST STAND # 52

CAGE CODE
06177

ATP 6373-2



Responsible Test Technician
[Signature] 1831

Date
2/27/08

Pneudraulics Quality Control
[Signature]
FEB 29 2008

REF. PARA.	TEST TITLE	TOLERANCE	TEST DATA
4.3	Reverse Flow Direction		
4.2.1	Flow Range		
4.2.1.1	250 PSIG	2.7 - 3.3 GPM	2.80 GPM
4.2.1.1	Increasing Inlet Pressure	2.7 - 3.3 GPM	2.80 GPM
4.2.1.2	500 PSIG	2.7 - 3.3 GPM	Delta P 120 PSID Flow 2.80 GPM
	1000 PSIG	2.7 - 3.3 GPM	Delta P 120 PSID Flow 2.80 GPM
	2000 PSIG	2.7 - 3.3 GPM	Delta P 120 PSID Flow 2.80 GPM
	3000 PSIG	2.7 - 3.3 GPM	Delta P 120 PSID Flow 2.80 GPM
	Increasing Outlet Pressure	2.7 - 3.3 GPM	Delta P 120 PSID Flow 2.80 GPM
	200 PSIG	2.7 - 3.3 GPM	Delta P 2,800 PSID Flow 2.80 GPM
	500 PSIG	2.7 - 3.3 GPM	Delta P 2,800 PSID Flow 2.80 GPM
	1000 PSIG	2.7 - 3.3 GPM	Delta P 2,500 PSID Flow 2.80 GPM
	1000 PSIG	2.7 - 3.3 GPM	Delta P 2,000 PSID Flow 2.80 GPM
	2000 PSIG	2.7 - 3.3 GPM	Delta P 1,000 PSID Flow 2.80 GPM

PNEUDRAULICS, INC. MODEL 6373-2, SN 033

TEST DATA SHEET
PAGE 2 OF 2

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

Pneudraulics, Inc.

Teardown and Failure Analysis Report

BOEING COMMERCIAL - RPO'S Customer PO: PM-637183-96LCV Customer PN Rec'd: S273A231-2 Customer Rejection No.:	2339 Shipped: S273A231-2
FAA Repair Station PD6R469J Sales Order No.: 43710 RPO No.: RPO45792 PDI PN Rec'd: 6373-2 Orig SN: 033	Shipped: 6373-2 Shipped SN(s): 033

Customer reason for return:
RECERTIFICATION.

PDI preliminary inspection findings:
UNIT RECEIVED IN GOOD CONDITION.

Teardown findings and failure analysis (cause of failure(s)):
RUBBER DEBRIS INSIDE UNIT AND DIRT NOTED THROUGHOUT UNIT.

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	☐ 61124	FILTER SCREEN	4
☐ 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 and regulatory requirements.

Quality Department Representative

Don J. Chang

Date

FEB 29 2008