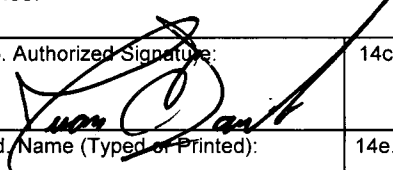


1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: W442279 -4631735-1	
4. Organization Name and Address: Pacific Scientific P94R580N 11700 NW 102nd ROAD SUITE 6 MIAMI, FL 33178 USA				5. Work Order/Contract/Invoice Number: 12933		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	FIRE EXTINGUISHER 60-1	33000025-1	1	43253A1	OVERHAULED	
12. REMARKS: Unit was hydrostatically tested IAW 49 CFR 180 and overhauled IAW manufacturers approved data.						
CMM 26-22-65 Rev: -- Date: 8/30/2003						
<p>DATE OF MANUFACTURE: 01-2004 CURRENT HYDRO: 09-2016 CARTRIDGE P/N: 30903894 SN-LOT: 1700UH S/D: 09-2016 CARTRIDGE P/N: 30903896 SN-LOT: 0933UG S/D: 09-2016</p>						
Pacific Scientific certifies that the work specified in block 11/12 was carried out in accordance with EASA Part-145 and with respect to that work the aircraft component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.5406.						
13a. Certifies the items identified above were manufactured in conformity to:			14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulation specified in Block 12			
<input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data 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:		13c. Approval/Authorization No.:		14b. Authorized Signature:		14c. Approval/Certificate No.:
		P94R580N				
13d. Name (Typed or Printed):		13e. Date (dd/mmm/yyyy):		14d. Name (Typed or Printed):		14e. Date (dd/mmm/yyyy):
				Juan Toribio		19/Sep/2016

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 authority accepts aircraft engine(s)/propellers(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statement in Blocks 13a and 14a 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.

Tear down and inspection report

Work order W442279
 Date printed 9/19/2016
 Time 10:13:16 AM
 Page 1

To ATTN: Jay Valenzuela AVIONTEQ 7240 HAYVENHURST PLACE VAN NUYS, CA 91406 USA	Ship to AVIONTEQ 7240 HAYVENHURST PLACE VAN NUYS, CA 91406
--	--

PO Ref	12933	Tel		Fax		E-mail	LOGISTICS@AVIONTEQ.COM
Code	112265	Site		Part	33000025-1	Descr	FIRE EXTINGUISHER 60-1
Qty	1	Station	MIAMI	Make		Model	
						Mfg	PACIFIC SCIENTIFIC

VLV S/N	WeldmentSN	MISSING PARTS	Engine number
EXH VLV	RO #	UDF 006	Tail number

Serial numbers 43253A1

Notes DATE OF MANUFACTURE: 01-2004
 CURRENT HYDRO: 09-2016
 CARTRIDGE P/N: 30903894 SN-LOT: 1700UH S/D: 09-2016
 CARTRIDGE P/N: 30903896 SN-LOT: 0933UG S/D: 09-2016

Symptoms

Customer requests inspect & repair as necessary.

Faults

HYDROSTATIC TEST DUE

DOM 01-2004 LHD 01-2004 CARTRIDGE DATE 02-2004/ 02-2004 CARTRIGED OR EXPIRED

Corrective actions

Unit is to be overhauled IAW the referenced data.

Part number	Description	Qty needed	CD	Disposition
30903894	CARTRIDGE	1	NE	Consumable
30903896	CARTRIDGE	1	NE	Consumable
31470900	O-RING	1	NE	Consumable
33440018-2	RUPTURE DISC	2	NE	Consumable
35240130-20	FILL FITTING	1	NE	Consumable
NAS1611-025A	O-RING	2	NE	Consumable



Work order W442279

FAA repair station P94R580N

Part number	33000025-1	Qty	1	Description	FIRE EXTINGUISHER 60-1
Serial	43253A1 43253A1	Customer	AVIONTEQ		
Customer PO	12933				
Technical data	Data type/Number/Revision/Revision date CMM 26-22-65 Rev: -- Date: 8/30/2003				

Evaluation

Customers remark
Customer requests inspect & repair as necessary.

Results from evaluation
HYDROSTATIC TEST DUE
DOM 01-2004 LHD 01-2004 CARTRIDGE DATE 02-2004/ 02-2004 CARTRIGED OR EXPIRED

Work to be performed
Unit is to be overhauled IAW the referenced data.


Initial Evaluation task

Work instructions

Verify technical data

The following Service Bulletins, Engineering Orders, Airworthiness Directive, SILs are associated with part number. Verify information below:

NONE

Verified by:  9/13/16
Stamp mo da yr

Initial inspection

Initial Inspection: The technician shall inspect the unit for damage, unapproved parts and any non-conforming conditions. Record the following information:

Date of Manufacture (month/year): 01/04

Date of Last Hydro (month/year): 01/04

Cartridge Service Dates: Part Number 30903894 (month/year): 2/04
Part Number 30903896 (month/year): 2/04 } Expire

Units Condition Upon Receipt (circle one): Charged Fired Empty (not fired)

Gauge Position correct for bottle condition (circle one): Yes No

Remarks (if any, stamp  if none): _____

Meggitt Aftermarket Services

11700 Northwest 102nd Road, Suite 6, Miami FL 33178, USA
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www.meggitt.com

Work order W442279

FAA repair station P94R580N





Initial inspection


Initial Inspection Completed by:  09/13/16
mo da yr

Disassemble

Discharge (if necessary) and disassemble the unit in accordance with the CMM.

Inspect the following components for any hidden damage and record the results:

	Serviceable	Unserviceable	Remarks (if any)
Outlets/Valves:		NIA	NIA
Cartridges	NIA		EXPIRED
Pressure Vessel		NIA	NIA
Gauge (includes accuracy)		NIA	


Verified by:  09/15/16
Stamp mo da yr


Cylinder Recertification task

Work instructions

Visually inspect interior and exterior

Inspect the interior and exterior of the cylinder in accordance with the requirements of 49 CFR 180 and the CGA pamphlets. Record the results below (stamp one, if failed record in remarks reason):

Passed:  Failed: _____ Remarks: _____

Inspected by:  09/15/16
Stamp mo da yr


Hydrostatic Test

Hydrostatically test the cylinder in accordance with 49 CFR 180. Record results on the Cylinder Re certification Test Data Sheet and if ATA member in appropriate log.

Test Performed by:  09/15/16
Stamp mo da yr

Stamp REN

Mark the pressure vessel with REN (K124) in accordance with the requirements of 49 CFR 180

Performed by:  09/15/16
Stamp mo da yr

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Work order W442279


FAA repair station P94R580N

Reassemble & Fill task

Work instructions

Assemble prior to charging

Assemble in accordance with the CMM:

Welding performed I.A.W. HTL-0001 performed by:  9 17 16
Stamp mo day yr


Perform pressure leak test: performed by:  9 17 16  or NA
Stamp mo day yr Passed Failed



Welding inspected by:  9 17 16
stamp mo day yr


Charge and weld fill fitting


Assemble the fire extinguisher in accordance with the CMM for charging.

Fill Fitting P/N: 35240180-20 Code: 27

Record data on the fill data sheet. Assembly was charged by:  9 17 16
Stamp mo day yr

Perform leak test I.A.W with referenced data:  9 17 16  or NA
Stamp mo day yr Passed Failed

Record if welding passed I.A.W. referenced data:  Passed or NA Failed

The above performed by:  9 17 16
Stamp mo day yr

Final Assembly

Install the cartridges into the outlets (if necessary) and torque to 100 in/lbs and lockwire using .032-diameter lockwire.

Install the outlet/cartridge assembly onto the outlet bosses as shown in CMM.

DO NOT TORQUE THE OUTLETS TO THE FIRE EXTINGUISHER. POSITIONING OF THE OUTLETS WILL BE COMPLETED UPON INSTALLATION ON THE AIRCRAFT.

Install all thread protection and safety caps.

Record the following:

Cartridge PN: 30903894 SN/Lot #: 17000H Service Date: 9 16
mo yr

Cartridge PN: 30903896 SN/Lot #: 09330G Service Date: 9 16
mo yr

Add the cartridge service life limits and serial numbers to 8130 notes for verification at inspection process.

Performed by:  MSHP

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Work order W442279
FAA repair station P94R580N

Page 4

Final Assembly


Switch SN: N/A Remarks (stamp [____], if none): NEW CARTRIDGES
Installed

Work performed by:  9/17/16
Stamp mo da yr

Cell Leader Acceptance

This unit has been overhauled to the requirements of Drawing/CMM 26-22-65

SB: N/A AD: _____
EO: N/A SIL: N/A

Verified by:  9/19/16
Stamp mo da yr

INSPECT task

Work instructions


Final Inspection & Return to Service

Inspected the unit IAW CMM/Drawing 26-22-65 manufacturer's specifications, and/or customer's engineering order.

This certifies that the work specified in this work order was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part is approved for return to service.

Return to service by:  9/19/16 
Signature mo da yr Stamp

Table 703. Fire Extinguisher Refill Record

Part Number: <u>33000025-1</u>	Serial No: <u>43253A1</u>
Date of Refill: <u>09-17-16</u>	Pressure Switch Ser. No: <u>NA</u>
Weight Certified By: <u>J.E.</u> 	Hydrostatic Test Date: <u>9-15-16</u>

Item	As Noted
1. Empty fire extinguisher on cradle (charging hose disconnected)	<u>3.59</u> pounds (kg) Actual
2. Empty fire extinguisher on cradle (charging hose connected)	<u>3.76</u> pounds (kg) Actual
3. Required weight of extinguishing agent P/N 33000025-1 & P/N 33000025-2	<u>Pounds (kg)</u> 2.10 to 2.20 pounds (0,95 to 1,00 kg)
4. Desired fill weight of fire extinguisher on cradle (charging hose connected) (entry 2 plus entry 3)	<u>5.86</u> pounds (kg) (Calculated)
5. Desired fill weight of fire extinguisher on cradle (charging hose disconnected) (entry 1 plus entry 3)	<u>5.69</u> pounds (kg) (Calculated)
6. Fire extinguisher filled with extinguishing agent on cradle (charging hose connected)	<u>5.86</u> pounds (kg) (Actual. Must meet entry 4 requirement)
7. Fire extinguisher filled with extinguishing agent on cradle (charging hose disconnected)	<u>5.69</u> pounds (kg) (Actual. Must meet entry 5 requirement)
8. Thermocouple temperature	<u>70^o</u> °F (°C)
9. Required nitrogen charge pressure at thermocouple temperature	<u>360</u> Psig (kPag) Minimum <u>385</u> Psig (kPag) Maximum
10. Actual nitrogen charge pressure (from manifold gauge)	<u>385</u> Psig (kPag)
11. Filled fire extinguisher on cradle after nitrogen charge (charging hose disconnected)	<u>5.85</u> pounds (kg)
12. Calculated extinguishing agent fill weight (subtract entry 1 from entry 7)	<u>2.20</u> pounds (kg) (Calculated)
13. Calculated nitrogen weight (subtract entry 7 from entry 11)	<u>0.06</u> pounds (kg) (Calculated)
14. Actual weight of filled fire extinguisher P/N 33000025-1 with the clamps, discharge outlets, and cartridges, without the protective caps (Table 701)	<u>4.95</u> pounds (kg)
Actual weight of filled fire extinguisher P/N 33000025-2 with the clamps, discharge outlets, without and protective caps (Table 701)	_____ pounds (kg)

