



Declaration of Conformity

According to Directive 2014/68/EU (PED)

For Pressure Equipment

Catalina Cylinders Inc.

Herewith declares, that the Pressure Equipment

Seamless Extruded Aluminum Cylinders

(Model S80.3, 77.4 cuft, PT 311bar)

Serial Numbers: GV0013437– GV0013460

Year of Manufacturing: 2020

Volume: 77.4 cuft

Test Pressure: 311 bar

Test Medium: Water

Conform to the Pressure Equipment Directive 2014/68/EU

Type Approval No: USA-11-02-189-002

EC Certificate of Conformity Number: CAT-1266-007-20006

Applied standard: ISO 7866:1999

Notified body engaged for monitoring of the quality system:

Arrowhead Industrial Services Bourne, Lincolnshire UK

Notified Body Number 1266

Certificate Number ACS-20170607-PED

Catalina Cylinders Inc. Garden Grove, California, USA

A handwritten signature in black ink, appearing to read 'Miguel Garay'.

Miguel Garay

Quality Assurance Manager

Janaury, 2020

WORLD CLASS PRODUCTS. FIRST CLASS SERVICE.™

TEL (714) 890-0999 ♦ FAX (714) 890-1744 ♦

www.catalinacylinders.com

7300 Anaconda Avenue, Garden Grove, California 92841

Certificate of Conformity

Certificate Nº
CAT-1266-007-20006

Manufacturer Catalina Cylinders	Manufacturer's Mark
Address 12452 Monarch / 7300 Anaconda Ave. Garden Grove CA. 92841	CATALINA
Country USA	

Regulation[s]: PED 2014/68/EU
Applied Module: Module D
Design Specification: ISO 7866:1999

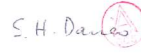
Inspection Body: Arrowhead Industrial Services Limited	
Address: Meadow Drove Business Centre, Meadow Drove, Bourne, Lincolnshire, PE10 0BP, UK	
Identification Number: 1266	Inspector's Mark 
Type Approval Nº: USA-11-02-189-002	
Cylinder Type: Seamless Aluminium Alloy	
Drawing Nº: S80.3-GV	
Manufacturing Serial Nº: From: GV0013437 To: GV0013460	
Excluding:	
Total Tested: 24	Total Accepted: 24

Customer Stock
Address
Country

The undersigned hereby declare that the Conformity Assessment Requirements of the above referenced Regulations have been carried out satisfactorily and that the cylinders accepted conform to the Design Specification. Test reports are supplied separately.

General Remarks:

Date of Inspection: January, 2020	Signature 
Inspector: Miguel Garay	
Certificate of Authorisation Nº: ACS-20170607-PED	

Approved by: Simon Davies Certifying Inspector Arrowhead Industrial Services Limited	Signature  Digitally signed by Simon Davies Date: 2020.01.23 12:05:59 Z
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DATE: 01-21-2020

MODEL: S80.3

CERTIFICATE OF CONFORMANCE
Application of ISO 7866:1999

Seamless Aluminum Cylinders Model No. S80.3

MANUFACTURED FOR: STOCK

MANUFACTURED BY: CATALINA CYLINDERS,
7300 ANACONDA AVENUE, GARDEN GROVE, CALIFORNIA 92841

QUANTITY: 24

SERIAL NUMBERS: GV0013437 TO GV0013460

BATCH NUMBER(S): AY965 **HEAT NUMBER(S):** WN2

TECHNICAL DATA:

Service Pressure: 207Bar

Test Pressure: 311 Bar

Nominal Size 184.2 mm OD

Minimum Wall: 12.1 mm

659.0 mm Long (without cap and without valve)

Nominal Volumetric Capacity: 11.1 Liters

CONSTRUCTION: Backward Extrusion to Form a Seamless Shell, the open end is closed by swaging.

MATERIAL AND HEAT TREATMENT: AA Alloy Designation 6061A. Solution Treatment and Artificial Aging to the 6061 T6 Condition

STAMP MARKING: Markings as noted on layout attached to this certificate.

I hereby certify that I have determined the cylinders covered by this Certificate of Conformance have been manufactured in accordance with the requirements of ISO Standard ISO 7866:1999, and have passed all the inspections and tests required by this ISO Standard.

Remarks:

CATALINA CYLINDERS
Garden Grove, CA

Signed: _____

Inspector

Date: 01-21-2020

PRODUCTION TEST DATA

Measurement of Cylinders

Batch No.	Serial Numbers	Water Capacity	Minimum measured thickness	
AY965	GV0013437- GV0013460	100% Inspected all capacities 11.1L or greater	100% Wall Thickness Inspected all above 12.1 mm minimum	100% Base Thickness Inspected all above 18.7 mm minimum

Mechanical Testing

Batch No.	Serial Numbers	Cast No.				Flattening Test	Burst Test Serial No.	Burst Test (Bar)	Hardness
			Yield Stress (Mpa)	Tensile Stress (Mpa)	Elongation %				
AY965	GV0013333- GV0013436	WN2	313.0	367.2	22.7	OK	N/A	570.5	OK
			352.7	361.5	17.2				

Record of Chemical Analysis of Material for Cylinders

HEAT NO (HEAT CODE)	TYPE OF ANALYSIS (LADLE OR CHECK)	CHEMICAL ANALYSIS									
		Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi
WN2	LADLE	.59	.16	.30	.01	.90	.064	.00	.01	.001	.000

Date: 01-21-2020

Place: GARDEN GROVE, CALIFORNIA USA

Signature:

On behalf of Catalina Cylinders

RECORD OF RESIDUAL HYDROCARBON TESTING
(In Accordance with Fed Spec. RR-C-901D)

Lot No.	Serial Number	Total Hydrocarbons (mg)	Regulatory Level Allowed (mg)
AY965	GV0013437	1.1	9.00

Certificate of Residual Hydrocarbon Testing are on file at Manufacturer.

Certifying Entity: **South Coast Pollution Control**

This record of Residual Hydrocarbon Testing is provided for informational purposes only, it is not to be considered a part of the Certificate of Compliance and Test Report to which it is attached, and has not been certified or verified by T.H. Cochrane Laboratories, Ltd.

Record Of Hydrostatic Testing

In accordance with CGA Pamphlet C-1

1/18/2020

Manufacturer: Catalina Cylinders/Garden Grove

Independent Inspector: T.H. Cochrane Labs

9:51:51AM

Cylinder Type: S80-E2

Test Station: Hydro 4

Test Pressure: 4500

Serial Number	Lot No.	Jacket No.	Actual T/P (psi)	Total Expan (cc)	Perm Expan (cc)	Ratio Perm/Tot (%)	Empty Weight (lbs)	Full Weight (lbs)	Volume Capacity (cu-in)	Pass or Fail	Test Date
GV0013437	AY965	1	4500	64.40	0.10	00.2	31.26	55.95	684.90	Pass	1/18/2020
GV0013438	AY965	2	4500	64.30	0.20	00.3	31.26	55.95	684.90	Pass	1/18/2020
GV0013439	AY965	3	4500	64.30	0.00	00.0	31.26	55.90	683.51	Pass	1/18/2020
GV0013440	AY965	4	4500	64.10	0.20	00.3	31.26	55.95	684.90	Pass	1/18/2020
GV0013441	AY965	5	4500	64.30	0.00	00.0	31.26	55.95	684.90	Pass	1/18/2020
GV0013442	AY965	6	4500	63.70	0.00	00.0	31.26	55.85	682.13	Pass	1/18/2020
GV0013443	AY965	1	4500	64.10	0.00	00.0	31.28	56.00	685.73	Pass	1/18/2020
GV0013444	AY965	2	4500	64.20	0.00	00.0	31.24	56.00	686.84	Pass	1/18/2020
GV0013445	AY965	3	4500	64.20	0.00	00.0	31.24	56.00	686.84	Pass	1/18/2020
GV0013446	AY965	4	4500	64.10	0.00	00.0	31.24	56.00	686.84	Pass	1/18/2020
GV0013447	AY965	5	4500	64.50	0.00	00.0	31.24	55.95	685.46	Pass	1/18/2020
GV0013448	AY965	6	4500	63.20	0.00	00.0	31.24	55.95	685.46	Pass	1/18/2020
GV0013449	AY965	1	4500	63.90	0.00	00.0	31.24	55.95	685.46	Pass	1/18/2020
GV0013450	AY965	2	4500	63.80	0.00	00.0	31.26	56.00	686.29	Pass	1/18/2020
GV0013451	AY965	3	4500	64.20	0.00	00.0	31.24	56.00	686.84	Pass	1/18/2020
GV0013452	AY965	4	4500	63.80	0.00	00.0	31.24	56.00	686.84	Pass	1/18/2020
GV0013453	AY965	6	4500	63.00	0.00	00.0	31.22	55.95	686.01	Pass	1/18/2020
GV0013454	AY965	1	4500	63.90	0.00	00.0	31.28	56.00	685.73	Pass	1/18/2020
GV0013455	AY965	2	4500	64.00	0.00	00.0	31.26	56.00	686.29	Pass	1/18/2020
GV0013456	AY965	3	4500	64.20	0.00	00.0	31.24	55.95	685.46	Pass	1/18/2020
GV0013457	AY965	4	4500	63.80	0.00	00.0	31.24	55.90	684.07	Pass	1/18/2020
GV0013458	AY965	1	4500	64.20	0.00	00.0	31.24	55.95	685.46	Pass	1/18/2020
GV0013459	AY965	2	4500	64.20	0.00	00.0	31.24	55.95	685.46	Pass	1/18/2020
GV0013460	AY965	3	4500	64.00	0.00	00.0	31.26	55.95	684.90	Pass	1/18/2020

OM
