arrowhead
Industrial Services Ltd

Certificate of Conformity

Certificate №
CAT-1266-007-19020

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 №:	USA-11-02-189-002		
Cylinder Type:	Seamless Aluminium Alloy		
Drawing №:	S80.3-GV		
Manufacturing Serial №:	**From:** GV0011586	**To:** GV0012095	
	Excluding:		
Total Tested:	510	**Total Accepted:**	510

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:	June, 2019		
Inspector:	Miguel Garay	**Signature**	MGaray
Certificate of Authorisation №:	ACS-20170607-PED		

Approved by:	**Signature**	Digitally signed by Simon Davies DN: cn=Simon Davies, o, ou=Arrowhead Industrial Services Ltd, email=simon.davies@arrowheadis.com, c=GB Date: 2019.06.05 17:52:00 +01'00'
Simon Davies	S. H. Davies	
Certifying Inspector		
Arrowhead Industrial Services Limited		

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www.arrowheadis.com

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: GV0011586– GV0012095
Year of Manufacturing: 2019

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-1266-007-19020

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

Miguel Garay
Quality Assurance Manager
June, 2019

DATE: 06-03-19 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: **510**

SERIAL NUMBERS: **GV0011586** TO **GV0012095**

BATCH NUMBER(S): **AX371, AX372, AX374** HEAT NUMBER(S): **WF6,WF4,WD4**

TECHNICAL DATA:

Service Pressure: 207Bar **Test Pressure:** 311 Bar

Nominal Size 184.2 mm OD **Minimum Wall:** 12.1 mm

657.9 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: 06-03-19

PRODUCTION TEST DATA

Measurement of Cylinders

Batch No.	Serial Numbers	Water Capacity	Minimum measured thickness	
AX371,AX372,AX374	GV0011586-GV0012095	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.	Yield Stress (Mpa)	Tensile Stress (Mpa)	Elongation %	Flattening Test	Burst Test Serial No.	Burst Test (Bar)	Hardness
AX371	GV0011586-GV0011709	WF6	323.0 303.4	358.9 363.5	23.8 28.4	OK	N/A	559.9	OK
AX372	GV0011710-GV0011907	WF6	319.9 334.0	355.5 365.5	23.1 23.7	OK	N/A	557.9	OK
AX374	GV0011908-GV0012095	WF4	337.9 334.1	363.4 364.6	22.8 23.3	OK	N/A	565.5	OK
AX374	GV0011908-GV0012095	WD4	302.0 311.0	366.9 367.3	24.3 26.1	OK	N/A	565.5	OK

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
WF6	LADLE	.63	.17	.32	.01	.92	.071	.00	.01	.001	.000
WF4		.63	.16	.31	.00	.92	.075	.00	.01	.001	.000
WD4		.61	.16	.30	<.01	.91	.075	<.01	.01	.001	<.001

Date: 06-03-19

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)
AX371	AS0822801	5.7	9.00
AX372	GV0011710	5.7	9.00
AX374	GV0012084	3.7	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 TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/29/2019 12:10:07 PM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011586	4500	AX371	064.4	000.0	00.0	031.20	686.30	
GV0011587	4500	AX371	064.7	000.6	00.9	031.26	686.30	
GV0011588	4500	AX371	064.6	000.1	00.2	031.14	687.40	
GV0011589	4500	AX371	064.4	000.3	00.5	031.22	688.00	
GV0011590	4500	AX371	064.4	000.2	00.3	031.26	686.80	
GV0011591	4500	AX371	064.7	000.2	00.3	031.14	689.60	
GV0011592	4500	AX371	064.7	000.1	00.2	031.12	687.40	
GV0011593	4500	AX371	064.4	000.6	00.9	031.22	686.30	
GV0011594	4500	AX371	064.5	000.0	00.0	031.14	688.50	
GV0011595	4500	AX371	064.3	000.1	00.2	031.14	688.50	
GV0011596	4500	AX371	064.5	000.1	00.2	031.10	689.10	
GV0011597	4500	AX371	064.2	000.0	00.0	031.34	687.40	
GV0011598	4500	AX371	064.5	000.2	00.3	031.14	687.40	
GV0011599	4500	AX371	064.4	000.4	00.6	031.26	686.80	
GV0011600	4500	AX371	064.4	000.0	00.0	031.18	688.00	
GV0011601	4500	AX371	064.1	000.1	00.2	031.18	688.00	
GV0011602	4500	AX371	064.2	000.6	00.9	031.16	688.00	
GV0011603	4500	AX371	064.6	000.0	00.0	031.12	687.40	
GV0011604	4500	AX371	064.0	000.0	00.0	031.22	685.70	
GV0011605	4500	AX371	064.5	000.6	00.9	031.24	686.80	
GV0011606	4500	AX371	064.4	000.1	00.2	031.20	686.80	
GV0011607	4500	AX371	064.1	000.0	00.0	031.16	687.40	
GV0011608	4500	AX371	064.2	000.7	01.1	031.16	686.80	
GV0011609	4500	AX371	064.6	000.1	00.2	031.12	686.80	
GV0011610	4500	AX371	064.6	000.2	00.3	031.18	687.40	
GV0011611	4500	AX371	064.5	000.8	01.2	031.28	686.80	
GV0011612	4500	AX371	063.2	000.1	00.2	031.16	687.40	
GV0011613	4500	AX371	064.4	000.3	00.5	031.12	688.50	
GV0011614	4500	AX371	064.4	000.3	00.5	031.22	687.40	
GV0011615	4500	AX371	064.5	000.0	00.0	031.20	688.00	
GV0011616	4500	AX371	064.3	000.0	00.0	031.20	686.80	
GV0011617	4500	AX371	064.2	000.1	00.2	031.20	686.80	
GV0011618	4500	AX371	064.7	000.1	00.2	031.12	687.40	
GV0011619	4500	AX371	064.4	000.9	01.4	031.20	687.40	
GV0011620	4500	AX371	064.1	000.1	00.2	031.22	684.60	
GV0011621	4500	AX371	064.7	000.1	00.2	031.14	689.60	
GV0011622	4500	AX371	064.2	000.0	00.0	031.22	684.60	
GV0011623	4500	AX371	064.3	000.4	00.6	031.34	684.10	
GV0011624	4500	AX371	064.3	000.2	00.3	031.34	684.10	
GV0011625	4500	AX371	064.1	000.1	00.2	031.14	688.50	
GV0011626	4500	AX371	064.1	000.0	00.0	031.32	683.50	

D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/29/2019 12:10:07 PM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011627	4500	AX371	063.9	000.0	00.0	031.20	689.60	
GV0011628	4500	AX371	064.4	000.1	00.2	031.22	686.30	
GV0011629	4500	AX371	064.3	000.4	00.6	031.20	688.00	
GV0011630	4500	AX371	064.3	000.1	00.2	031.24	686.80	
GV0011631	4500	AX371	063.4	000.0	00.0	031.14	686.80	
GV0011632	4500	AX371	064.4	000.1	00.2	031.22	684.60	
GV0011633	4500	AX371	064.6	000.1	00.2	031.18	685.70	
GV0011634	4500	AX371	064.5	000.3	00.5	031.20	685.20	
GV0011635	4500	AX371	064.7	000.5	00.8	031.14	687.40	
GV0011636	4500	AX371	064.8	000.2	00.3	031.14	687.40	
GV0011637	4500	AX371	064.3	000.1	00.2	031.20	683.50	
GV0011638	4500	AX371	064.2	000.9	01.4	031.12	689.60	
GV0011639	4500	AX371	064.8	000.3	00.5	031.26	683.50	
GV0011640	4500	AX371	064.3	000.3	00.5	031.14	686.80	
GV0011641	4500	AX371	064.6	000.4	00.6	031.14	691.30	
GV0011642	4500	AX371	064.5	000.1	00.2	031.32	683.50	
GV0011643	4500	AX371	063.9	000.2	00.3	031.20	689.10	
GV0011644	4500	AX371	064.2	000.9	01.4	031.28	684.60	
GV0011645	4500	AX371	064.4	000.1	00.2	031.20	688.00	
GV0011646	4500	AX371	064.3	000.3	00.5	031.22	689.60	
GV0011647	4500	AX371	064.6	000.4	00.6	031.30	685.20	
GV0011648	4500	AX371	064.3	000.0	00.0	031.22	686.30	
GV0011649	4500	AX371	064.3	000.3	00.5	031.16	689.60	
GV0011650	4500	AX371	064.5	000.8	01.2	031.24	685.70	
GV0011651	4500	AX371	064.3	000.1	00.2	031.22	686.80	
GV0011652	4500	AX371	064.3	000.3	00.5	031.22	685.70	
GV0011653	4500	AX371	064.4	000.6	00.9	031.12	689.10	
GV0011654	4500	AX371	064.6	000.1	00.2	031.16	691.30	
GV0011655	4500	AX371	064.3	000.4	00.6	031.32	682.40	
GV0011656	4500	AX371	063.9	000.7	01.1	031.12	689.10	
GV0011657	4500	AX371	064.4	000.1	00.2	031.20	686.80	
GV0011658	4500	AX371	064.3	000.1	00.2	031.18	688.50	
GV0011659	4500	AX371	064.3	000.3	00.5	031.20	687.40	
GV0011660	4500	AX371	064.3	000.0	00.0	031.18	686.80	
GV0011661	4500	AX371	063.5	000.0	00.0	031.12	690.70	
GV0011662	4500	AX371	064.3	000.6	00.9	031.20	686.30	
GV0011663	4500	AX371	064.2	000.0	00.0	031.22	686.30	
GV0011664	4500	AX371	064.1	000.0	00.0	031.20	687.40	
GV0011665	4500	AX371	064.4	000.3	00.5	031.20	688.00	
GV0011666	4500	AX371	064.4	000.2	00.3	031.18	688.50	
GV0011667	4500	AX371	064.1	000.1	00.2	031.24	684.60	

D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/29/2019 12:10:08 PM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011668	4500	AX371	063.8	000.6	00.9	031.18	687.40	
GV0011669	4500	AX371	064.4	000.1	00.2	031.20	685.20	
GV0011670	4500	AX371	064.1	000.1	00.2	031.12	688.50	
GV0011671	4500	AX371	064.6	000.5	00.8	031.18	688.00	
GV0011672	4500	AX371	064.5	000.2	00.3	031.20	689.10	
GV0011673	4500	AX371	064.1	000.0	00.0	031.32	683.00	
GV0011674	4500	AX371	064.1	000.7	01.1	031.22	686.80	
GV0011675	4500	AX371	064.2	000.1	00.2	031.22	686.80	
GV0011676	4500	AX371	064.4	000.0	00.0	031.22	684.10	
GV0011677	4500	AX371	064.6	000.5	00.8	031.10	688.00	
GV0011678	4500	AX371	064.8	000.1	00.2	031.18	686.80	
GV0011679	4500	AX371	064.0	000.1	00.2	031.18	687.40	
GV0011680	4500	AX371	064.2	000.2	00.3	031.20	685.20	
GV0011681	4500	AX371	064.5	000.1	00.2	031.12	690.20	
GV0011682	4500	AX371	064.4	000.1	00.2	031.20	686.30	
GV0011683	4500	AX371	064.6	000.3	00.5	031.20	687.40	
GV0011684	4500	AX371	064.6	000.1	00.2	031.22	686.30	
GV0011685	4500	AX371	064.1	000.2	00.3	031.20	688.00	
GV0011686	4500	AX371	064.2	000.7	01.1	031.22	685.70	
GV0011687	4500	AX371	064.7	000.1	00.2	031.16	686.30	
GV0011688	4500	AX371	064.4	000.0	00.0	031.20	686.30	
GV0011689	4500	AX371	064.3	000.4	00.6	031.18	685.70	
GV0011690	4500	AX371	064.4	000.0	00.0	031.14	687.40	
GV0011691	4500	AX371	064.3	000.3	00.5	031.16	688.00	
GV0011692	4500	AX371	064.2	000.6	00.9	031.20	685.70	
GV0011693	4500	AX371	064.7	000.1	00.2	031.20	686.80	
GV0011694	4500	AX371	064.2	000.2	00.3	031.18	688.00	
GV0011695	4500	AX371	064.6	000.5	00.8	031.20	688.50	
GV0011696	4500	AX371	064.5	000.1	00.2	031.22	684.60	
GV0011697	4500	AX371	064.3	000.3	00.5	031.12	689.10	
GV0011698	4500	AX371	064.5	000.7	01.1	031.20	685.20	
GV0011699	4500	AX371	064.9	000.4	00.6	031.20	686.80	
GV0011700	4500	AX371	064.4	000.2	00.3	031.12	689.60	
GV0011701	4500	AX371	064.4	000.4	00.6	031.12	689.10	
GV0011702	4500	AX371	064.4	000.0	00.0	031.22	686.80	
GV0011703	4500	AX371	064.0	000.1	00.2	031.20	686.80	
GV0011704	4500	AX371	064.3	000.8	01.2	031.20	687.40	
GV0011705	4500	AX371	064.2	000.0	00.0	031.20	686.80	
GV0011706	4500	AX371	064.1	000.3	00.5	031.22	685.70	
GV0011707	4500	AX371	064.4	000.6	00.9	031.18	688.50	
GV0011708	4500	AX371	064.6	000.4	00.6	031.28	683.50	

D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/29/2019 12:10:08 PM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011709	4500	AX371	063.7	000.2	00.3	031.14	688.00	

D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/29/2019 2:03:27 PM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011710	4500	AX372	064.1	000.0	00.0	031.16	689.10	
GV0011711	4500	AX372	064.5	000.3	00.5	031.24	684.60	
GV0011712	4500	AX372	064.1	000.0	00.0	031.14	686.30	
GV0011713	4500	AX372	064.1	000.0	00.0	031.18	685.20	
GV0011714	4500	AX372	064.1	000.1	00.2	031.12	686.30	
GV0011715	4500	AX372	064.5	000.1	00.2	031.14	686.80	
GV0011716	4500	AX372	064.2	000.2	00.3	031.18	684.10	
GV0011717	4500	AX372	064.4	000.4	00.6	031.10	686.80	
GV0011718	4500	AX372	064.7	000.1	00.2	031.08	688.00	
GV0011719	4500	AX372	064.2	000.2	00.3	031.10	688.00	
GV0011720	4500	AX372	064.4	000.6	00.9	031.10	686.30	
GV0011721	4500	AX372	064.7	000.2	00.3	031.12	687.40	
GV0011722	4500	AX372	064.2	000.2	00.3	031.20	684.10	
GV0011723	4500	AX372	064.7	000.7	01.1	031.12	687.40	
GV0011724	4500	AX372	064.9	000.3	00.5	031.12	688.00	
GV0011725	4500	AX372	063.9	000.0	00.0	031.16	685.70	
GV0011726	4500	AX372	064.6	001.0	01.5	031.10	686.80	
GV0011727	4500	AX372	064.4	000.2	00.3	031.12	686.30	
GV0011728	4500	AX372	064.2	000.0	00.0	031.10	686.30	
GV0011729	4500	AX372	064.5	000.3	00.5	031.18	686.30	
GV0011730	4500	AX372	064.6	000.3	00.5	031.14	686.30	
GV0011731	4500	AX372	064.0	000.2	00.3	031.12	686.80	
GV0011732	4500	AX372	064.4	000.9	01.4	031.20	685.70	
GV0011733	4500	AX372	064.7	000.3	00.5	031.18	686.30	
GV0011734	4500	AX372	064.2	000.1	00.2	031.12	686.80	
GV0011735	4500	AX372	064.4	000.2	00.3	031.14	686.30	
GV0011736	4500	AX372	064.8	000.2	00.3	031.12	686.30	
GV0011737	4500	AX372	064.2	000.2	00.3	031.14	686.30	
GV0011738	4500	AX372	064.4	000.7	01.1	031.08	687.40	
GV0011739	4500	AX372	064.6	000.1	00.2	031.12	687.40	
GV0011740	4500	AX372	065.2	000.8	01.2	031.14	686.30	
GV0011741	4500	AX372	065.2	001.3	02.0	031.26	685.70	
GV0011742	4500	AX372	064.9	000.5	00.8	031.22	685.70	
GV0011743	4500	AX372	064.5	000.8	01.2	031.16	686.80	
GV0011744	4500	AX372	064.7	000.9	01.4	031.10	687.40	
GV0011745	4500	AX372	065.6	001.2	01.8	031.10	686.30	
GV0011746	4500	AX372	065.0	000.4	00.6	031.16	687.40	
GV0011747	4500	AX372	065.1	001.2	01.8	031.26	685.20	
GV0011748	4500	AX372	065.1	000.5	00.8	031.12	688.00	
GV0011749	4500	AX372	064.0	000.2	00.3	031.08	688.00	
GV0011750	4500	AX372	064.9	000.7	01.1	031.16	686.80	

D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/29/2019 2:03:28 PM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011751	4500	AX372	065.3	000.5	00.8	031.14	687.40	
GV0011752	4500	AX372	064.8	000.4	00.6	031.24	685.20	
GV0011753	4500	AX372	064.9	000.9	01.4	031.16	686.80	
GV0011754	4500	AX372	064.7	000.4	00.6	031.16	686.30	
GV0011755	4500	AX372	064.8	000.5	00.8	031.12	686.30	
GV0011756	4500	AX372	064.4	000.3	00.5	031.12	686.30	
GV0011757	4500	AX372	064.9	000.3	00.5	031.14	685.70	
GV0011758	4500	AX372	064.6	000.3	00.5	031.18	685.70	
GV0011759	4500	AX372	064.9	000.9	01.4	031.12	685.70	
GV0011760	4500	AX372	064.9	000.6	00.9	031.16	686.30	
GV0011761	4500	AX372	064.5	000.4	00.6	031.18	685.20	
GV0011762	4500	AX372	064.8	000.5	00.8	031.08	685.20	
GV0011763	4500	AX372	065.0	000.4	00.6	031.14	685.20	
GV0011764	4500	AX372	064.7	000.1	00.2	031.16	684.10	
GV0011765	4500	AX372	064.5	000.6	00.9	031.12	684.60	
GV0011766	4500	AX372	064.7	000.5	00.8	031.22	684.10	
GV0011767	4500	AX372	064.7	000.6	00.9	031.10	686.80	
GV0011768	4500	AX372	064.5	000.4	00.6	031.14	686.80	
GV0011769	4500	AX372	065.3	000.3	00.5	031.14	685.70	
GV0011770	4500	AX372	064.8	000.3	00.5	031.16	684.60	
GV0011771	4500	AX372	064.8	000.8	01.2	031.10	686.30	
GV0011772	4500	AX372	064.6	000.4	00.6	031.14	686.80	
GV0011773	4500	AX372	064.2	000.0	00.0	031.16	685.70	
GV0011774	4500	AX372	064.6	000.3	00.5	031.10	687.40	
GV0011775	4500	AX372	065.1	000.2	00.3	031.16	687.40	
GV0011776	4500	AX372	064.6	000.2	00.3	031.18	686.30	
GV0011777	4500	AX372	064.6	000.7	01.1	031.18	685.70	
GV0011778	4500	AX372	064.5	000.3	00.5	031.16	687.40	
GV0011779	4500	AX372	063.9	000.0	00.0	031.14	686.30	
GV0011780	4500	AX372	064.7	000.4	00.6	031.10	687.40	
GV0011781	4500	AX372	064.8	000.4	00.6	031.18	686.30	
GV0011782	4500	AX372	064.5	000.1	00.2	031.14	686.30	
GV0011783	4500	AX372	064.6	000.6	00.9	031.16	686.80	
GV0011784	4500	AX372	064.8	000.2	00.3	031.18	685.70	
GV0011785	4500	AX372	064.2	000.2	00.3	031.16	686.30	
GV0011786	4500	AX372	064.3	000.2	00.3	031.16	685.70	
GV0011787	4500	AX372	064.8	000.0	00.0	031.14	686.30	
GV0011788	4500	AX372	064.4	000.2	00.3	031.12	685.70	
GV0011789	4500	AX372	064.7	000.3	00.5	031.12	686.80	
GV0011790	4500	AX372	064.6	000.1	00.2	031.12	686.30	
GV0011791	4500	AX372	064.7	000.4	00.6	031.14	686.30	

D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/29/2019 2:03:28 PM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011792	4500	AX372	064.3	000.6	00.9	031.10	688.00	
GV0011793	4500	AX372	064.6	000.2	00.3	031.14	685.20	

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DL

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/30/2019 6:53:12 AM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011794	4500	AX372	064.4	000.3	00.5	031.14	686.80	
GV0011795	4500	AX372	064.7	000.8	01.2	031.12	686.80	
GV0011796	4500	AX372	064.4	000.2	00.3	031.18	685.70	
GV0011797	4500	AX372	064.6	000.4	00.6	031.14	686.80	
GV0011798	4500	AX372	064.1	000.1	00.2	031.12	686.80	
GV0011799	4500	AX372	064.6	000.1	00.2	031.08	685.70	
GV0011800	4500	AX372	064.3	000.3	00.5	031.10	686.30	
GV0011801	4500	AX372	064.5	000.4	00.6	031.18	685.70	
GV0011802	4500	AX372	064.6	000.1	00.2	031.08	688.00	
GV0011803	4500	AX372	064.0	000.3	00.5	031.16	689.10	
GV0011804	4500	AX372	064.3	000.7	01.1	031.10	688.00	
GV0011805	4500	AX372	064.5	000.2	00.3	031.12	687.40	
GV0011806	4500	AX372	064.5	000.2	00.3	031.10	686.80	
GV0011807	4500	AX372	064.8	000.4	00.6	031.14	685.20	
GV0011808	4500	AX372	064.7	000.1	00.2	031.16	685.20	
GV0011809	4500	AX372	064.5	000.3	00.5	031.10	686.30	
GV0011810	4500	AX372	064.8	000.8	01.2	031.12	686.80	
GV0011811	4500	AX372	064.7	000.2	00.3	031.10	686.30	
GV0011812	4500	AX372	064.6	000.4	00.6	031.12	686.30	
GV0011813	4500	AX372	064.9	000.5	00.8	031.28	682.40	
GV0011814	4500	AX372	064.7	000.3	00.5	031.10	687.40	
GV0011815	4500	AX372	064.5	000.4	00.6	031.14	687.40	
GV0011816	4500	AX372	064.3	000.2	00.3	031.12	686.80	
GV0011817	4500	AX372	064.7	000.2	00.3	031.12	687.40	
GV0011818	4500	AX372	064.8	000.4	00.6	031.14	688.00	
GV0011819	4500	AX372	064.8	000.6	00.9	031.18	686.30	
GV0011820	4500	AX372	064.8	000.2	00.3	031.14	688.00	
GV0011821	4500	AX372	064.7	000.6	00.9	031.14	688.50	
GV0011822	4500	AX372	064.6	000.3	00.5	031.16	685.20	
GV0011823	4500	AX372	065.3	000.6	00.9	031.10	688.00	
GV0011824	4500	AX372	064.7	000.5	00.8	031.12	688.50	
GV0011825	4500	AX372	064.8	000.8	01.2	031.14	686.80	
GV0011826	4500	AX372	064.7	000.4	00.6	031.14	686.80	
GV0011827	4500	AX372	064.8	000.8	01.2	031.12	687.40	
GV0011828	4500	AX372	064.4	000.2	00.3	031.14	687.40	
GV0011829	4500	AX372	065.0	000.3	00.5	031.14	687.40	
GV0011830	4500	AX372	065.0	000.6	00.9	031.10	688.50	
GV0011831	4500	AX372	065.1	000.9	01.4	031.12	686.30	
GV0011832	4500	AX372	064.8	000.5	00.8	031.16	685.70	
GV0011833	4500	AX372	064.6	000.4	00.6	031.10	689.60	
GV0011834	4500	AX372	064.5	000.3	00.5	031.20	686.30	

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RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/30/2019 6:53:12 AM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011835	4500	AX372	065.1	000.5	00.8	031.10	686.80	
GV0011836	4500	AX372	064.0	000.0	00.0	031.18	685.70	
GV0011837	4500	AX372	064.4	000.4	00.6	031.12	686.30	
GV0011838	4500	AX372	063.6	000.0	00.0	031.16	688.00	
GV0011839	4500	AX372	064.0	000.0	00.0	031.12	686.80	
GV0011840	4500	AX372	064.2	000.0	00.0	031.10	688.50	
GV0011841	4500	AX372	064.5	000.0	00.0	031.12	686.80	
GV0011842	4500	AX372	064.3	000.1	00.2	031.12	687.40	
GV0011843	4500	AX372	064.6	000.5	00.8	031.14	688.00	
GV0011844	4500	AX372	064.0	000.1	00.2	031.16	686.80	
GV0011845	4500	AX372	064.0	000.0	00.0	031.14	688.50	
GV0011846	4500	AX372	064.5	000.3	00.5	031.10	690.20	
GV0011847	4500	AX372	064.7	000.0	00.0	031.14	686.30	
GV0011848	4500	AX372	064.4	000.1	00.2	031.14	685.70	
GV0011849	4500	AX372	064.7	000.6	00.9	031.10	688.50	
GV0011850	4500	AX372	064.7	000.2	00.3	031.10	688.50	
GV0011851	4500	AX372	064.1	000.0	00.0	031.32	681.30	
GV0011852	4500	AX372	064.1	000.7	01.1	031.10	686.80	
GV0011853	4500	AX372	064.5	000.0	00.0	031.12	686.80	
GV0011854	4500	AX372	064.3	000.0	00.0	031.12	685.70	
GV0011855	4500	AX372	064.5	000.1	00.2	031.10	687.40	
GV0011856	4500	AX372	064.4	000.0	00.0	031.14	686.30	
GV0011857	4500	AX372	064.2	000.2	00.3	031.14	685.70	
GV0011858	4500	AX372	064.4	000.7	01.1	031.14	686.30	
GV0011859	4500	AX372	064.5	000.2	00.3	031.16	687.40	
GV0011860	4500	AX372	064.3	000.1	00.2	031.10	689.10	
GV0011861	4500	AX372	064.6	000.4	00.6	031.14	688.00	
GV0011862	4500	AX372	063.6	000.0	00.0	031.12	686.30	
GV0011863	4500	AX372	064.1	000.1	00.2	031.10	688.00	
GV0011864	4500	AX372	064.2	000.0	00.0	031.14	685.70	
GV0011865	4500	AX372	064.4	000.0	00.0	031.08	686.80	
GV0011866	4500	AX372	064.3	000.1	00.2	031.12	688.00	
GV0011867	4500	AX372	064.5	000.3	00.5	031.16	685.20	
GV0011868	4500	AX372	064.6	000.1	00.2	031.10	687.40	
GV0011869	4500	AX372	064.0	000.0	00.0	031.16	687.40	
GV0011870	4500	AX372	064.1	000.6	00.9	031.14	686.30	
GV0011871	4500	AX372	064.6	000.1	00.2	031.10	688.50	
GV0011872	4500	AX372	064.2	000.0	00.0	031.18	685.20	
GV0011873	4500	AX372	064.3	000.1	00.2	031.14	687.40	
GV0011874	4500	AX372	064.1	000.0	00.0	031.14	688.00	
GV0011875	4500	AX372	063.9	000.1	00.2	031.16	686.80	

DL

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/30/2019 6:53:13 AM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011876	4500	AX372	064.2	000.5	00.8	031.14	687.40	
GV0011877	4500	AX372	064.2	000.0	00.0	031.12	688.50	
GV0011878	4500	AX372	064.3	000.4	00.6	031.10	688.00	
GV0011879	4500	AX372	064.7	000.1	00.2	031.14	685.70	
GV0011880	4500	AX372	064.3	000.0	00.0	031.08	686.80	
GV0011881	4500	AX372	064.0	000.1	00.2	031.14	686.80	
GV0011882	4500	AX372	064.2	000.3	00.5	031.10	686.80	
GV0011883	4500	AX372	064.3	000.0	00.0	031.14	688.00	
GV0011884	4500	AX372	064.6	000.1	00.2	031.10	687.40	
GV0011885	4500	AX372	064.5	000.3	00.5	031.10	689.10	
GV0011886	4500	AX372	064.3	000.1	00.2	031.26	684.60	
GV0011887	4500	AX372	064.2	000.1	00.2	031.14	686.80	
GV0011888	4500	AX372	064.3	000.6	00.9	031.14	686.80	
GV0011889	4500	AX372	064.4	000.0	00.0	031.14	686.80	
GV0011890	4500	AX372	064.0	000.2	00.3	031.12	688.00	
GV0011891	4500	AX372	064.5	000.2	00.3	031.16	686.80	
GV0011892	4500	AX372	064.4	000.0	00.0	031.12	686.30	
GV0011893	4500	AX372	063.8	000.0	00.0	031.10	688.00	
GV0011894	4500	AX372	064.4	000.6	00.9	031.10	687.40	
GV0011895	4500	AX372	064.4	000.1	00.2	031.12	685.70	
GV0011896	4500	AX372	064.2	000.1	00.2	031.16	685.20	
GV0011897	4500	AX372	064.6	000.3	00.5	031.08	688.00	
GV0011898	4500	AX372	064.4	000.0	00.0	031.10	688.50	
GV0011899	4500	AX372	064.0	000.2	00.3	031.10	686.30	
GV0011900	4500	AX372	064.2	000.5	00.8	031.08	687.40	
GV0011901	4500	AX372	064.5	000.2	00.3	031.12	687.40	
GV0011902	4500	AX372	064.6	000.2	00.3	031.10	685.70	
GV0011903	4500	AX372	064.7	000.3	00.5	031.12	685.20	
GV0011904	4500	AX372	064.5	000.2	00.3	031.14	686.80	
GV0011905	4500	AX372	064.3	000.2	00.3	031.18	685.20	
GV0011906	4500	AX372	064.5	000.6	00.9	031.22	684.10	
GV0011907	4500	AX372	064.4	000.1	00.2	031.20	685.70	

D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/30/2019 10:35:43 AM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011908	4500	AX374	064.3	000.0	00.0	031.26	684.60	
GV0011909	4500	AX374	064.6	000.3	00.5	031.20	687.40	
GV0011910	4500	AX374	064.5	000.2	00.3	031.16	686.80	
GV0011911	4500	AX374	064.0	000.0	00.0	031.22	686.30	
GV0011912	4500	AX374	064.3	000.8	01.2	031.22	684.60	
GV0011913	4500	AX374	064.7	000.4	00.6	031.14	686.80	
GV0011914	4500	AX374	064.0	000.0	00.0	031.16	687.40	
GV0011915	4500	AX374	064.4	000.5	00.8	031.22	686.80	
GV0011916	4500	AX374	064.3	000.0	00.0	031.22	684.60	
GV0011917	4500	AX374	064.2	000.2	00.3	031.18	686.80	
GV0011918	4500	AX374	064.4	000.8	01.2	031.22	686.30	
GV0011919	4500	AX374	064.2	000.1	00.2	031.14	688.50	
GV0011920	4500	AX374	063.8	000.0	00.0	031.14	688.00	
GV0011921	4500	AX374	064.6	000.3	00.5	031.18	688.00	
GV0011922	4500	AX374	064.5	000.0	00.0	031.18	686.30	
GV0011923	4500	AX374	064.1	000.0	00.0	031.22	685.20	
GV0011924	4500	AX374	064.3	000.6	00.9	031.22	685.20	
GV0011925	4500	AX374	064.4	000.1	00.2	031.18	688.00	
GV0011926	4500	AX374	064.4	000.0	00.0	031.18	688.00	
GV0011927	4500	AX374	064.5	000.3	00.5	031.20	688.00	
GV0011928	4500	AX374	064.5	000.1	00.2	031.16	687.40	
GV0011929	4500	AX374	064.3	000.3	00.5	031.18	686.80	
GV0011930	4500	AX374	064.3	000.8	01.2	031.18	687.40	
GV0011931	4500	AX374	064.5	000.2	00.3	031.20	686.80	
GV0011932	4500	AX374	064.6	000.4	00.6	031.22	686.30	
GV0011933	4500	AX374	064.5	000.3	00.5	031.24	684.60	
GV0011934	4500	AX374	064.4	000.0	00.0	031.24	685.70	
GV0011935	4500	AX374	064.3	000.2	00.3	031.22	686.80	
GV0011936	4500	AX374	064.5	000.7	01.1	031.16	688.50	
GV0011937	4500	AX374	064.3	000.2	00.3	031.24	686.80	
GV0011938	4500	AX374	064.3	000.1	00.2	031.24	685.70	
GV0011939	4500	AX374	064.3	000.3	00.5	031.26	684.60	
GV0011940	4500	AX374	064.4	000.0	00.0	031.24	684.60	
GV0011941	4500	AX374	064.0	000.1	00.2	031.20	685.70	
GV0011942	4500	AX374	064.1	000.7	01.1	031.20	686.80	
GV0011943	4500	AX374	064.4	000.0	00.0	031.16	688.50	
GV0011944	4500	AX374	064.0	000.1	00.2	031.14	689.10	
GV0011945	4500	AX374	064.3	000.5	00.8	031.26	686.30	
GV0011946	4500	AX374	064.3	000.0	00.0	031.16	688.00	
GV0011947	4500	AX374	064.2	000.3	00.5	031.24	685.20	
GV0011948	4500	AX374	064.1	000.6	00.9	031.16	689.60	

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/30/2019 10:35:44 AM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011949	4500	AX374	064.1	000.0	00.0	031.16	687.40	
GV0011950	4500	AX374	064.1	000.1	00.2	031.14	689.60	
GV0011951	4500	AX374	064.4	000.2	00.3	031.24	685.20	
GV0011952	4500	AX374	064.7	000.4	00.6	031.18	685.70	
GV0011953	4500	AX374	064.0	000.0	00.0	031.20	685.20	
GV0011954	4500	AX374	064.1	000.4	00.6	031.14	689.10	
GV0011955	4500	AX374	064.5	000.0	00.0	031.22	685.70	
GV0011956	4500	AX374	064.5	000.2	00.3	031.14	688.00	
GV0011957	4500	AX374	064.7	000.5	00.8	031.24	684.60	
GV0011958	4500	AX374	063.4	000.1	00.2	031.22	685.70	
GV0011959	4500	AX374	064.1	000.1	00.2	031.16	685.70	
GV0011960	4500	AX374	064.5	000.2	00.3	031.16	687.40	
GV0011961	4500	AX374	064.7	000.5	00.8	031.20	685.20	
GV0011962	4500	AX374	064.4	000.1	00.2	031.20	686.30	
GV0011963	4500	AX374	064.5	000.4	00.6	031.14	688.00	
GV0011964	4500	AX374	063.3	000.1	00.2	031.28	682.40	
GV0011965	4500	AX374	064.4	000.4	00.6	031.22	686.30	
GV0011966	4500	AX374	064.4	000.2	00.3	031.24	685.70	
GV0011967	4500	AX374	064.7	000.1	00.2	031.24	686.30	
GV0011968	4500	AX374	064.4	000.2	00.3	031.16	686.80	
GV0011969	4500	AX374	064.9	001.1	01.7	031.28	686.80	
GV0011970	4500	AX374	063.3	000.2	00.3	031.14	688.50	
GV0011971	4500	AX374	064.0	000.1	00.2	031.18	688.00	
GV0011972	4500	AX374	064.3	000.1	00.2	031.16	688.50	
GV0011973	4500	AX374	064.5	000.2	00.3	031.14	688.00	
GV0011974	4500	AX374	064.5	000.1	00.2	031.18	688.00	
GV0011975	4500	AX374	064.6	000.7	01.1	031.28	683.50	
GV0011976	4500	AX374	063.5	000.2	00.3	031.26	684.10	
GV0011977	4500	AX374	064.4	000.4	00.6	031.14	686.80	
GV0011978	4500	AX374	064.6	000.3	00.5	031.14	685.70	
GV0011979	4500	AX374	064.5	000.1	00.2	031.20	685.70	
GV0011980	4500	AX374	064.1	000.0	00.0	031.16	688.50	
GV0011981	4500	AX374	064.6	000.7	01.1	031.16	687.40	
GV0011982	4500	AX374	063.4	000.0	00.0	031.28	681.30	
GV0011983	4500	AX374	064.2	000.3	00.5	031.14	685.70	
GV0011984	4500	AX374	064.1	000.1	00.2	031.20	684.60	
GV0011985	4500	AX374	064.6	000.0	00.0	031.22	683.50	
GV0011986	4500	AX374	064.6	000.6	00.9	031.18	684.60	
GV0011987	4500	AX374	064.7	000.6	00.9	031.18	688.00	
GV0011988	4500	AX374	063.7	000.0	00.0	031.16	685.20	
GV0011989	4500	AX374	063.8	000.0	00.0	031.14	685.70	

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DL

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/30/2019 10:35:45 AM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0011990	4500	AX374	064.5	000.2	00.3	031.16	685.70	
GV0011991	4500	AX374	064.6	000.2	00.3	031.14	688.50	
GV0011992	4500	AX374	064.3	000.1	00.2	031.16	688.50	
GV0011993	4500	AX374	064.6	000.3	00.5	031.16	687.40	
GV0011994	4500	AX374	064.3	000.2	00.3	031.32	682.40	
GV0011995	4500	AX374	064.0	000.0	00.0	031.16	690.20	
GV0011996	4500	AX374	064.0	000.7	01.1	031.16	686.30	
GV0011997	4500	AX374	064.2	000.0	00.0	031.22	685.70	
GV0011998	4500	AX374	063.7	000.0	00.0	031.18	686.30	
GV0011999	4500	AX374	064.3	000.3	00.5	031.20	686.80	
GV0012000	4500	AX374	063.3	000.0	00.0	031.22	686.30	
GV0012001	4500	AX374	063.9	000.0	00.0	031.18	686.30	
GV0012002	4500	AX374	063.8	000.0	00.0	031.14	689.10	
GV0012003	4500	AX374	064.5	000.1	00.2	031.24	683.50	
GV0012004	4500	AX374	064.2	000.1	00.2	031.14	687.40	
GV0012005	4500	AX374	064.0	000.0	00.0	031.16	687.40	
GV0012006	4500	AX374	063.6	000.3	00.5	031.14	688.00	
GV0012007	4500	AX374	063.9	000.0	00.0	031.14	688.00	
GV0012008	4500	AX374	064.3	000.1	00.2	031.16	687.40	
GV0012009	4500	AX374	064.9	000.3	00.5	031.16	688.00	
GV0012010	4500	AX374	064.5	000.5	00.8	031.20	686.30	
GV0012011	4500	AX374	064.7	000.8	01.2	031.18	686.30	
GV0012012	4500	AX374	063.4	000.0	00.0	031.16	689.10	
GV0012013	4500	AX374	063.9	000.0	00.0	031.22	685.70	
GV0012014	4500	AX374	064.2	000.2	00.3	031.18	687.40	
GV0012015	4500	AX374	064.5	000.1	00.2	031.22	684.60	
GV0012016	4500	AX374	064.6	000.2	00.3	031.14	688.50	
GV0012017	4500	AX374	064.6	000.7	01.1	031.16	689.10	
GV0012018	4500	AX374	063.6	000.1	00.2	031.22	685.70	
GV0012019	4500	AX374	063.9	000.0	00.0	031.14	688.00	
GV0012020	4500	AX374	064.4	000.2	00.3	031.14	688.50	
GV0012021	4500	AX374	064.8	000.2	00.3	031.14	688.00	
GV0012022	4500	AX374	064.4	000.1	00.2	031.14	688.50	
GV0012023	4500	AX374	064.5	000.5	00.8	031.18	687.40	
GV0012024	4500	AX374	063.4	000.1	00.2	031.16	686.80	
GV0012025	4500	AX374	064.4	000.5	00.8	031.20	686.30	
GV0012026	4500	AX374	064.1	000.1	00.2	031.22	686.30	
GV0012027	4500	AX374	064.2	000.0	00.0	031.24	684.10	
GV0012028	4500	AX374	064.2	000.1	00.2	031.22	684.10	
GV0012029	4500	AX374	064.5	000.3	00.5	031.16	686.80	
GV0012030	4500	AX374	064.5	000.1	00.2	031.20	687.40	

D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/30/2019 10:35:45 AM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0012031	4500	AX374	063.8	000.0	00.0	031.20	686.30	
GV0012032	4500	AX374	064.4	000.7	01.1	031.20	685.20	
GV0012033	4500	AX374	064.1	000.0	00.0	031.20	686.30	
GV0012034	4500	AX374	064.4	000.2	00.3	031.20	686.80	
GV0012035	4500	AX374	064.4	000.1	00.2	031.20	685.70	
GV0012036	4500	AX374	064.4	000.0	00.0	031.22	686.30	
GV0012037	4500	AX374	063.9	000.0	00.0	031.14	687.40	
GV0012038	4500	AX374	064.2	000.7	01.1	031.16	688.50	
GV0012039	4500	AX374	064.3	000.1	00.2	031.14	688.00	
GV0012040	4500	AX374	064.0	000.2	00.3	031.22	686.30	
GV0012041	4500	AX374	064.4	000.3	00.5	031.20	685.20	
GV0012042	4500	AX374	064.3	000.2	00.3	031.24	683.50	
GV0012043	4500	AX374	063.8	000.0	00.0	031.16	684.60	
GV0012044	4500	AX374	064.2	000.8	01.2	031.16	686.80	
GV0012045	4500	AX374	064.3	000.1	00.2	031.14	689.60	
GV0012046	4500	AX374	064.1	000.1	00.2	031.22	685.70	
GV0012047	4500	AX374	064.4	000.2	00.3	031.24	685.20	
GV0012048	4500	AX374	064.7	000.3	00.5	031.24	685.20	
GV0012049	4500	AX374	063.8	000.0	00.0	031.22	685.70	
GV0012050	4500	AX374	064.4	000.7	01.1	031.16	687.40	
GV0012051	4500	AX374	064.5	000.1	00.2	031.18	687.40	
GV0012052	4500	AX374	064.4	000.2	00.3	031.18	688.00	
GV0012053	4500	AX374	064.5	000.2	00.3	031.18	688.00	
GV0012054	4500	AX374	064.5	000.2	00.3	031.20	686.80	
GV0012055	4500	AX374	064.1	000.1	00.2	031.18	686.80	
GV0012056	4500	AX374	064.4	000.7	01.1	031.16	686.80	
GV0012057	4500	AX374	064.7	000.1	00.2	031.18	686.30	
GV0012058	4500	AX374	064.4	000.1	00.2	031.20	686.80	
GV0012059	4500	AX374	064.5	000.2	00.3	031.18	687.40	
GV0012060	4500	AX374	064.6	000.3	00.5	031.18	686.30	
GV0012061	4500	AX374	064.1	000.0	00.0	031.16	687.40	
GV0012062	4500	AX374	064.3	000.7	01.1	031.20	685.70	
GV0012063	4500	AX374	064.6	000.1	00.2	031.18	686.30	
GV0012064	4500	AX374	064.6	000.1	00.2	031.16	687.40	
GV0012065	4500	AX374	064.5	000.2	00.3	031.16	686.80	
GV0012066	4500	AX374	064.6	000.2	00.3	031.18	687.40	
GV0012067	4500	AX374	064.1	000.0	00.0	031.20	686.80	
GV0012068	4500	AX374	064.3	000.8	01.2	031.20	687.40	
GV0012069	4500	AX374	064.6	000.1	00.2	031.16	688.50	
GV0012070	4500	AX374	064.1	000.1	00.2	031.18	685.70	
GV0012071	4500	AX374	064.5	000.2	00.3	031.22	686.80	

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D.L

RECORD OF HYDROSTATIC TESTS OF CYLINDERS
CATALINA CYLINDERS

DATE & TIME: 5/30/2019 10:35:45 AM HYDRO #2

TYPE: S80-GV
SIZE:

SERIAL NOS. OF CYLINDERS	ACTUAL PRESS PSIG	LOT NOS.	TOTAL EXPN. CC	PERM. EXPN. CC	RATIO of PERM to TOTAL	TARE WEIGHT Lbs	VOLUME CAPY CU IN	CAST CODE
GV0012072	4500	AX374	064.5	000.2	00.3	031.20	687.40	
GV0012073	4500	AX374	063.9	000.0	00.0	031.18	687.40	
GV0012074	4500	AX374	064.4	000.8	01.2	031.20	687.40	
GV0012075	4500	AX374	064.6	000.1	00.2	031.20	686.80	
GV0012076	4500	AX374	064.5	000.3	00.5	031.18	687.40	
GV0012077	4500	AX374	064.4	000.2	00.3	031.16	688.00	
GV0012078	4500	AX374	064.5	000.2	00.3	031.22	685.20	
GV0012079	4500	AX374	064.0	000.1	00.2	031.16	688.00	
GV0012080	4500	AX374	064.4	001.0	01.6	031.18	687.40	
GV0012081	4500	AX374	064.5	000.0	00.0	031.16	685.70	
GV0012082	4500	AX374	064.4	000.0	00.0	031.18	685.70	
GV0012083	4500	AX374	064.4	000.4	00.6	031.24	685.20	
GV0012084	4500	AX374	064.5	000.1	00.2	031.18	687.40	
GV0012085	4500	AX374	063.6	000.0	00.0	031.24	686.30	
GV0012086	4500	AX374	063.9	000.0	00.0	031.18	688.00	
GV0012087	4500	AX374	064.3	000.0	00.0	031.18	688.50	
GV0012088	4500	AX374	064.4	000.1	00.2	031.18	688.00	
GV0012089	4500	AX374	064.4	000.3	00.5	031.18	688.00	
GV0012090	4500	AX374	064.6	000.2	00.3	031.20	686.80	
GV0012091	4500	AX374	063.8	000.3	00.5	031.22	685.20	
GV0012092	4500	AX374	064.6	000.5	00.8	031.18	688.00	
GV0012093	4500	AX374	064.5	000.4	00.6	031.20	687.40	
GV0012094	4500	AX374	064.5	000.2	00.3	031.20	685.70	
GV0012095	4500	AX374	064.3	000.2	00.3	031.18	685.70	

D.L