

WORTHINGTON CYLINDERS- JEFFERSON, OH			Located at 863 State Route 307 East Jefferson, OH 44047 USA		
PRODUCT SPECIFICATION D.O.T. 4B 240 CERTIFICATION OF CONFORMANCE					
PURCHASE ORDER			CUSTOMER		QUANTITY
FT21-0899			FIRETRACE USA, LLC		779
CUSTOMER PART NO.	WC PART NO.	LOT NUMBERS	BURST TEST RESULT (PSIG)	1ST SERIAL NUMBER	LAST SERIAL NUMBER
100300	310435	CA 68 to CA 69	1,597	CA 013401	CA 013655
100301	310434	CA 69 to CA 71		CA 013656	CA 014179
We certify the above referenced cylinders have been tested and certified as meeting the requirements of D.O.T. Spec. 4B 240. They were manufactured to the requirements of the cylinder drawings. The cylinders have been 100% proof tested at a minimum pressure of 480 psig. Minimum burst is 960 psig. The maximum working pressure of a DOT 4B 240 cylinder is 240 psig. These cylinders meet applicable UL2166 requirements.			ISSUED BY: (name, title, signature) Billy J. Vencill, CERTIFIED INSPECTOR <i>Billy J. Vencill</i>		DATE ISSUED: May 13,2022

Certificate of Compliance and Test Report – Welded Cylinders**Manufactured under U.S. Department of Transportation (DOT) and/or Transport Canada (TC) regulations**

Cylinder Manufacturer:	Worthington Cylinders	Location:	863 State Route 307 East Jefferson, OH
Manufactured For:	Worthington Cylinders	Location:	Jefferson, OH

Consigned To: N/A

Cylinder Description and Design Criteria:

Nominal Cylinder Dimensions (Inches): 3.01 Outside Diameter by 12.427 Length

Specification:	DOT-4B	Service Pressure:	240 psi
Nominal Water Capacity:	2.6 / 75 CU IN	Test Pressure:	480 psi
Tare or Mass Weight Range:	See Attached	Minimum Wall Thickness:	0.042 in
Joint Efficiency:	N/A	Calculated Stress at Test Pressure:	14,635 psi

Manufacturing Process:

Construction: The general method of construction includes: cold forming the cylindrical heads; welding flange to the head; and circumferentially welding two heads to form the cylinder. Cylinders are pressure tested after welding. If valves are installed, an additional leak test is conducted.

Material and Heat Treatment:

The material used was identified and chemical analysis was verified. Record of such is contained in the Record of Chemical Analysis attached hereto. Heat treatment was conducted in accordance with the specification requirements.

Report/Marking Details:

Specification*:	DOT-4B240	Inspector's Mark*:	WORTHJ
Quantity:	779	Test Date*:	05-22
Serial Numbers*:	CA13401 through CA14179	Lot Numbers:	68 through 71
Identifying Symbol*:	M4543	Heat Number or Codes:	See Attached

*Physical markings on cylinder or attachments

Additional Markings*: Additional markings as identified on cylinder design drawings.

I hereby certify that I have determined that cylinders described on this report comply with the requirements of the Department of Transportation and/or Transport Canada specification DOT-4B240.

Remarks: N/A

Bill Vencill	Worthington Cylinders Jefferson, OH	May 13, 2022
Certifying Inspector	Company Name and Location	Date

Record of Chemical Analysis of Material for Cylinders

Serial Numbers: CA13401 through CA14179

Cylinder Manufacturer: Worthington Cylinders

Location: 863 State Route 307 East
Jefferson, OH

Nominal Cylinder Dimensions (inches): 3.01 Outside Diameter by 12.427 Length

Material Manufacturer: Cleveland-Cliffs Burns Harbor LLC

Heat and Code Number		Type of Analysis	Chemical Analysis		
Heat	Coil	(Check or Ladle)	C	P	S

831K08310	Ladle	0.05	0.013	0.005
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Material Manufacturer: Cleveland-Cliffs Steel LLC

Heat and Code Number		Type of Analysis	Chemical Analysis		
Heat	Coil	(Check or Ladle)	C	P	S

4124480	Ladle	0.04	0.014	0.012
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Material Manufacturer: Nucor Steel Gallatin

Heat and Code Number		Type of Analysis	Chemical Analysis		
Heat	Coil	(Check or Ladle)	C	P	S

CA1209	Ladle	0.06	0.007	0.003
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The previous analyses have been verified to comply with material authorized by the specification. Chemical analyses were made by: Material Manufacturer (Ladle) or Worthington Industries (Check).

Bill Vencill	Worthington Cylinders Jefferson, OH	May 13, 2022
_____ Certifying Inspector	_____ Company Name and Location	_____ Date

