

**APPLICATION FOR RENEWAL OF APPROVAL FOR PRESSURE RELIEF
DEVICES, VALVES, CLOSURES, AND FITTINGS**

1. AAR APPROVAL No. E212112
2. Date of Application 3/8/21
3. Previous AAR Approval E122005
4. Applicant: MIDLAND MANUFACTURING
5. Address: 7733 GROSS POINT ROAD, SKOKIE, IL. 60077
6. Drawing No. SEE ATTACHED 7. Latest rev. SEE ATTACHED 8. Date of latest rev. SEE ATTACHED
9. Description of device: 4" BALL VALVE 10. Device ID No. A-520 AND A-522 SERIES

CERTIFICATION: The subject device is **unchanged** from the previous approval, and conforms with the latest revision of AAR Specifications for Tank Cars, Appendix A. The device conforms with drawing listed above.

11. By: _____ Title: _____

If device is **changed** since latest approval, fill in the following blanks

12. Reference Previous Drawing	New Drawing	If on Service Trial
No. <u>SEE ATTACHED</u> Rev. _____ Date _____	No. <u>SEE ATTACHED</u> Rev. _____ Date _____	S.T. No. _____
No. _____ Rev. _____ Date _____	No. _____ Rev. _____ Date _____	S.T. No. _____
No. _____ Rev. _____ Date _____	No. _____ Rev. _____ Date _____	S.T. No. _____

13. New drawing supersedes previous one ☒ or does not obsolete it ☐

CHANGES

REASONS FOR CHANGES

- | | |
|----------------------------|------------------------|
| 14. a. <u>SEE ATTACHED</u> | a. <u>SEE ATTACHED</u> |
| b. _____ | b. _____ |
| c. _____ | c. _____ |
| d. _____ | d. _____ |

(if needed use supplemental sheet)

15. Normal operational effect of changes of device: NONE

16. Drawing submitted with this application: SEE ATTACHED

CERTIFICATION: The above data is correct and conforms with AAR Specifications for Tank Cars, Appendix A. The device conforms with drawing listed above.

17. By:  Title: Senior Design Engineer

APPROVAL AAR Tank Car Committee:

Date Approved: 6/1/2021


(Signature) on behalf of Committee

**SUPPLEMENTAL INFORMATION FOR
AAR FORM 4-7; Date of Application 3/8/21**

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DRAWING #	LATEST REV.	DATE OF LATEST REV.
A-520-C1	C	3/8/2021
A-522-C1	J	3/8/2021
A-520-C2	C	3/4/2021
A-520-C2-SJ	C	3/4/2021
A-520-C2-SJ1	B	3/4/2021
A-520-C2-SJ2	B	3/4/2021
A-520-C2-SJ3	C	3/4/2021
A-520-C2-SJ4	C	5/18/2017
A-520-C2-SH	B	3/4/2021
A-520-C2-SH-SJ4	D	3/4/2021
A-522-C2	H	3/4/2021
A-522-C2-SJ	D	3/4/2021
A-522-C2-SJ1	D	3/4/2021
A-522-C2-MO-SJ-SU	E	3/4/2021
A-522-C2-Q-MO-SJ	B	3/4/2021
A-520A-C2	0	3/8/2021
A-522A-C2	0	9/9/2020

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REFERENCE PREVIOUS DRAWING			NEW DRAWING		
NO.	REV.	DATE	NO.	REV.	DATE
			A-520-C1	C	3/8/2021
			A-522-C1	J	3/8/2021
A-520-C2	A	5/30/2012	A-520-C2	C	3/4/2021
A-520-C2-SJ	A	5/30/2012	A-520-C2-SJ	C	3/4/2021
A-520-C2-SJ1	-	5/30/2012	A-520-C2-SJ1	B	3/4/2021
A-520-C2-SJ2	-	5/30/2012	A-520-C2-SJ2	B	3/4/2021
A-520-C2-SJ3	A	5/30/2012	A-520-C2-SJ3	C	3/4/2021
A-520-C2-SJ4	A	5/30/2012	A-520-C2-SJ4	C	5/18/2017
A-520-C2-SH	-	5/30/2012	A-520-C2-SH	B	3/4/2021
A-520-C2-SH-SJ4	B	5/30/2012	A-520-C2-SH-SJ4	D	3/4/2021
A-522-C2	C	5/30/2012	A-522-C2	H	3/4/2021
A-522-C2-SJ	A	5/30/2012	A-522-C2-SJ	D	3/4/2021
A-522-C2-SJ1	-	5/30/2012	A-522-C2-SJ1	D	3/4/2021
A-522-C2-MO-SJ-SU	A	5/30/2012	A-522-C2-MO-SJ-SU	E	3/4/2021
A-522-C2-Q-MO-SJ	-	5/30/2012	A-522-C2-Q-MO-SJ	B	3/4/2021
			A-520A-C2	0	3/8/2021
			A-522A-C2	0	9/9/2020

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CHANGES	REASON FOR CHANGES
Added A-520-C1; A-522-C1	Option with no vent hole in ball.
Added A-520A-C2; A-522A-C2	Product improvement

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Drawings submitted

with this Application:

A-520-C1	A-520-C2-SH
A-522-C1	A-520-C2-SH-SJ4
A-520-C2	A-522-C2
A-520-C2-SJ	A-522-C2-SJ
A-520-C2-SJ1	A-522-C2-SJ1
A-520-C2-SJ2	A-522-C2-MO-SJ-SU
A-520-C2-SJ3	A-522-C2-Q-MO-SJ
A-520-C2-SJ4	A-520A-C2
	A-522A-C2