

**ASSOCIATION OF AMERICAN RAILROADS  
QUALITY ASSURANCE PROGRAM CERTIFICATION**



THIS CONFIRMS THAT

**Engineered Controls International, LLC**

HAS MET THE REQUIREMENTS OF THE ASSOCIATION OF AMERICAN RAILROADS  
QUALITY ASSURANCE PROGRAM AS SPECIFIED IN M-1003

**CERTIFICATE NUMBER:** ECEN

**LOCATION:** Elon, North Carolina

**PRODUCT/SERVICE:** C4a - Assemble and Qualification of Tank Car Service Equipment , C4m - Manufacture and Qualification of Tank Car Service Equipment

**CERTIFICATION DATE:** Tuesday, November 16,  
2021

**EXPIRATION DATE:** Saturday, November 16, 2024

**APPROVED:** \_\_\_\_\_  
(Executive Director Rules and Standards)

**APPROVED:** \_\_\_\_\_  
(Chairman, Quality Assurance Committee)

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

1. AAR APPROVAL No. PRD 172103  
 2. Date of Application March 16, 2017  
 3. Previous AAR Approval PRD 099018

4. Applicant: Engineered Controls International, LLC  
 5. Address: 100 RegO Drive Elon, North Carolina 27244 USA  
 6. Drawing No. A8434F\_Ser 7. Latest rev. J 8. Date of latest rev. 05-16-2016  
 9. Description of device: Safety Relief Valve 10. Device ID No. \_\_\_\_\_

**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. _____ Rev. _____ Date _____	No. _____ Rev. _____ Date _____	S.T. No. _____
No. _____ Rev. _____ Date _____	No. _____ Rev. _____ Date _____	S.T. No. _____
No. <u>A8434F_Ser</u> Rev. <u>H</u> Date <u>04-17-2014</u>	No. <u>A8434F_Ser</u> Rev. <u>J</u> Date <u>05-16-2016</u>	S.T. No. _____

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

**CHANGES**

**REASONS FOR CHANGES**

14. a. <u>Add Dow Emulsion to seat</u>	a. <u>Lubricate seat to prevent sticking</u>
b. <u>Change label size</u>	b. <u>to allow more clearance between label and bolts</u>
c. <u>add spot face to bolt holes</u>	c. <u>to allow flat surface for stud nuts</u>
d. _____	d. _____

(if needed use supplemental sheet)

15. Normal operational effect of changes of device: (a) prevent seat sticking during storage  
 b) prevent assembly sockets from contacting label, c) to provide flat surface for stud/nut version

16. Drawing submitted with this application: A8434F-Ser Rev J, 11550-734 Rev A, A8434F-99 Rev C, AB434F-1A Rev B

**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: Vice President Quality Assurance 3/16/2017

APPROVAL AAR Tank Car Committee:

Date Approved: 5/10/17 \_\_\_\_\_  
 (Signature) on behalf of Committee

APPLICATION FOR RENEWAL OF APPROVAL FOR VALVES AND CLOSURES

AAR APPROVAL No. E232125
Date of Application Mar 4 2023
1. Previous AAR Approval E-099019

- 2. Applicant: Engineered Controls International, LLC
Address: 100 Rejoice Drive Elon North Carolina 27244 USA
3. Drawing No. TA7814 Ser Latest rev. B Date of latest rev. 12/14/2012
4. Description of device: Tank Car Angle valve with Excess Flow Valve
5. Device ID No. TA7814 A7814 Angle Valve + A3214V/L Excess Flow Valve,

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

Table with 3 columns: Reference Previous Drawing, New Drawing, and If on Service Trial. Rows include drawing numbers, serial numbers, revisions, and dates.

7. New drawing supersedes previous one [ ] or does not obsolete it. [ ]

CHANGES

REASONS FOR CHANGES

- 8. a. o-ring material addition
b.
c.
d.
(if needed use supplemental sheet)
a. added o-ring of EPDM material
b.
c.
d.

9. Normal operational effect of changes of device: None

10. Drawing submitted with this application: TA7814 Ser A7814 Ser A3214 Ser A3214 Ser-2

CERTIFICATION: The subject device is unchanged from the previous application
Or has changes permitted in 1.4.5.6 of Chapter 1
The above data is correct and conforms with AAR Specifications for Tank Cars, Appendix A. The device conforms with drawings listed above.

By: [Redacted]

Title: ENGINEERING DIRECTOR

APPROVAL AAR Tank Car Committee:

[Redacted Signature]

Date Approved: 11/8/2023

(Signature) on behalf Tank Car Committee

Expiration Date: