

EXHIBIT R-1 REPORT OF TANK REPAIRS, ALTERATION OR CONVERSION

1. To AAR Executive Director-Tank Car Safety 2a. Car Mark TILX 2b. Car Number 191300
 3. Reported by: Karla Williams 4. Date work performed: 10/21/2019
 5. Work Performed at: TRINITY RAIL MAINTENANCE SERVICES SI Ref# : 430215
 6. Report of: Tank Repairs: Conversions
 7. Built date: 12/01/2004 8. Built By: TRIN - Trinity
 9. Original AAR Certificate No: L046063A 10. Commodity: 4909152(ETHYL-ALC-ANHYD)
 11. Constructed car spec: 111A100W1 12. Car spec (after this work): DOT111A100W1
 13. Stenciled spec (after this work): DOT117R100W

14. Tank repairs: (Ref. M-1002 Appendix R, Fig. R2)

A) Nature and location of defect:

NA

B) Procedure and defect:

NA

15. For Alterations, Conversions, Pressure Relief Devices or Other, list Procedure and Materials:

Apply 11 gage jacket, 0.5" jacket head and 0.5" thick thermal protection (ceramic fiber blanket)
 Apply disengageable BOV handle
 Change protective housing to 1/2" thick, bolt-on
 Apply Fort Vale 0R3/B075006V safety valve, AAR #PRD 139511
 Increase gross rail load to 286,000 lbs

Old Lt Wt: 65,000 lbs New Lt Wt: 79,200 lbs

16. Pertinent approved drawings:

	DRAWING TITLE	DRAWING NUMBER	AAR CERTIFICATE NUMBER
A.	_____	M-042-30145RP14	M156094
B.	_____	F-020-2014	M156094
C.	_____	V-014-80252 (5RET3)	C156108 (see notes)
D.	_____	_____	_____
E.	_____	_____	_____
F.	_____	_____	_____

17. Revisions and Notes:

Fittings drawing F-020-2014 is the same as F-020-2002 except for the grade of steel of the protective housing and the specific valves used.

BOV drawing V-014-80252-04 is the same as V-014-80116 except the attachment of the brackets is welded instead of bolted.

The cars listed above conform to all approvals mentioned and to all applicable DOT and AAR requirements, including specifications, regulations, rules of interchange and the DOT safety appliance standards.

Company Name TRINITY RAIL MAINTENANCE SERVICES Location (City/State) Jonesboro, AR

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Empty form area for reporting tank repairs, alterations, or conversions.

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Management Representative(Name): Roy Rogers Title: Director of Quality and Compliance
(Signature): _____ Date : ~~10/21/2019~~

Recorded By: Karla Williams Comments:

NONE
