

# AAR Manual of Standards and Recommended Practices Specifications for Tank Cars

M-1002

CHAPTER 1

## FINAL SERVICE TRIAL INSPECTION REPORT

1. Applicant Kelso Technologies, Inc AAR No. E119023  
 Address 2777 Finley Rd, Suite 15, Downers Grove, IL AAR Docket No. \_\_\_\_\_  
 2. Manufacturer Kelso Technologies, Inc AAR Service Trial No. 439  
 Address 2777 Finley Rd, Suite 15, Downers Grove, IL Date 2/26/16

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3. Description of device Kelso Klincher Manway Securement System

4. Device designation or model no. 620001

5. Total number of devices in service 8 6. Number of devices for teardown 1

7. Service data for service equipment under this inspection  
 Total load/unload cycles and average 16 trips this car (6.625 average) Total loaded mileage and average 32,288 miles this car (14,066 average)  
 Total service time and average 4 years (8/30/11 - 9/30/15)

8. Teardown data	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
From car number	WCHX 30066				
Last lading	Ethanol				
Model no.	620001				
Serial no.					
Test pressure psi (kPa)	See Attached Report for this and additional information				
Test temp F (°C)					
Test medium					
STD psi (kPa)					
Vapor tight, psi (kPa)					
Test remarks.....					
Physical condition.....					
Compare critical final dimensions to original.....					
9. Drawing numbers.....					
(Ref. Form AAR 4-3 or AAR 4-5)					
Revisions made.....					
Revision date.....					

10. Conclusions No exceptions taken during inspection. Unit inspected showed no signs of excessive wear and unit was found to be structurally sound and ready to continue service.

11. Recommendations to Tank Car Committee No exceptions taken

12. CERTIFICATION  
 The above data is correct and complies with the AAR Specifications for Tank Cars, Appendix A. Devices tested conform to the drawings listed above.

MANUFACTURER or APPLICANT  
ROBERT M. IRVING  
 (Signature)  
 Title CHG MANAGER  
 Company KELSO TECHNOLOGIES

INDEPENDENT OBSERVER/QA MANAGER  
Camille Long  
 (Signature)  
 Title Certified AAR Inspector  
 Company ATCI/BOE

13. APPROVAL AAR Tank Car Committee  
 Date approved MAR 28 2016

Kenneth B Dorsey  
 (Signature) on behalf of Tank Car Committee

Form AAR 4-6 Revised 2-8-2014

Fig. 1.7 Form AAR 4-6 Final Service Trial Inspection Report