

AAR Manual of Standards and Recommended Practices Specifications for Tank Cars

M-1002

CHAPTER 1

APPLICATION FOR APPROVAL OF VALVES, CLOSURES, AND FITTINGS

Applicant Baier Marine Company AAR No. E152106
 Description of Device Non-Pressure Car, Manway

Applicant No. _____ Device Ident. No. _____ Date 11/9/2015

1. Manufacturer Baier Marine Company
 2. Address 2920 Airway Ave. City Costa Mesa State Ca Zip 92626
 3. Test facility if other than the manufacturer _____ Address _____
 4. Test date Aug. 19 - 21, 2015 4. Observer Ray Call
 Title: Engineering Manager

TEST PROCEDURE
 5. Description of prototype testing: AAR MSRP, M-1002, Appendix E, Paragraph 3.3.4.1

6. Cycles	Min. Temp. ____ °F ____ °C	@ Pressure <u>206</u> psi ____ kPa	Cycles <u>15</u> <u>10 min</u>	Max. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Test Medium <u>Encapsulated</u> <u>o-ring</u>	Remarks <u>Solid silicone core</u> <u>Teflon sleeve</u> <u>Pass</u>
Cycles	Min. Temp. ____ °F ____ °C	@ Pressure <u>206</u> psi ____ kPa	Cycles <u>15</u> <u>10 min</u>	Max. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Test Medium <u>Encapsulated</u> <u>o-ring</u>	Remarks <u>Solid silicone core</u> <u>Teflon sleeve</u> <u>Pass</u>
Cycles	Min. Temp. ____ °F ____ °C	@ Pressure <u>206</u> psi ____ kPa	Cycles <u>15</u> <u>10 min</u>	Max. Temp. ____ °F ____ °C	@ Pressure ____ psi ____ kPa	Test Medium <u>Encapsulated</u> <u>o-ring</u>	Remarks <u>Solid silicone core</u> <u>Teflon sleeve</u> <u>Pass</u>

Petroleum Crude Oil (PG I, PG II, or PG III) and products authorized in DOT Part 173 for which there are no special
 7. Commodity: Regulated Commodity ___ Non Regulated Commodity ___ Specific Commodity _____ commodity requirements.
 8. Flow rate (if applicable) _____ gpm (_____ L/min)

Applicable drawings	Material	Drawing Number latest revision	Precedent	
			Drawing Number	Application/Certificate
9. Device application				
10. Device assembly	<u>Carbon Steel</u>	<u>08867-101 Rev. 4</u>		
11. Device details				

12. Quality Control Statement Baier Marine is committed to exercising its Quality Assurance Program for this product in accordance with AAR MSRP, Section J, M-1003, Specifications for Quality Assurance.

REVISIONS: Baier Marine will inform AAR of specific commodities used with the manway during service trial.

CERTIFICATION: The above data is correct and conforms with AAR Specifications for Tank Cars, Appendix A. The devices tested conform with drawings listed above.

By Raymond Call 11/9/2015 Ray Call Title Engineering Manager

APPROVAL AAR Tank Car Committee Service Trial Required
 Date Approved for Service Trial NOV 09 2015
 Service Trial Number ST-462

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

APPROVAL AAR Tank Car Committee Service Completed / Not Required
 Date Service Trial Completed _____ Date AAR Received Form AAR 4-6 _____
 Date Approved _____
 Expiration Date _____

(Signature) on behalf of Tank Car Committee

Form AAR 4-5 Revised 10/2014

Fig. 1.4 Form AAR 4-5 Application for Approval of Valves and Fittings