



SHOPPING SCOPE of WORK

Car ID: TILX 161149

Date: 4/8/2015

Shop:
ARI Brookhaven

Reason Shopped:
Cleaning for Release

Customer:
ICL

Car Type/DOT Class (if applicable):
Tank Car / DOT 111A100W1

Last Contents/SDS (if applicable):
Calcium Bromide / SDS attached

Next Commodity:
None

Shopping Notes:

Clean car for release and inspect lining. Advise any areas of lining failure or tank damage, supported with reports and photos. Do not perform lining touch-up at this time. Running repairs and other defects should be billed directly to the car owner.

Manway Gasket Material = EPDM
Flange Gaskets = Garlock Gylon 3510
O-Rings = Peroxide Cured EPDM

Required Seals and Pictures:

All openings require seals and photo verification prior to outshopping dispo being provided. Please also provide photos of the car side, car end, fittings, and qualification decal.

Valves & Fittings Serial Numbers:

BOV: <u>N/A unknown</u>	PRD/Safety Valve: <u>unknown</u>
Siphon Valve: <u>2" flange valve - N/A</u>	Air Inlet Valve: <u>1" flange valve - N/A</u>
Vacuum Relief: <u>—</u>	Gauging Device: <u>—</u>
BOV: <u>—</u>	PRD/Safety Valve: <u>—</u>

Estimate Approvals & Dispo:

Please send BRC estimates for approval and all dispo requests to Alan Willaredt (awillaredt@midwestrailcar.com) and Amanda Niebruegge (aniebruegge@midwestrailcar.com). Please note dispo will not be provided without all applicable regulatory documents, cleaning certificates, test certificates, photo confirmation of seals, photo confirmation of the consolidated qualification decal, and photos of each car side, fittings & end (unless otherwise approved).



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Final Invoices:

Please email all invoices to Deanna Kupsy (dkupsy@midwestrailcar.com), with a CC to Alan Willaredt (awillaredt@midwestrailcar.com) and Amanda Niebruegge (aniebruegge@midwestrailcar.com). Please ensure the "Billed Party" (character positions 6-9) are identified as ICPX. The final BRC and AAR 500 byte data file must accompany the invoice or it will not be processed for payment.

Submit invoices for payment to:
ICL Performance Products
c/o Midwest Railcar Corporation
Attn: Fleet Management
4949 Autumn Oaks Drive, Suite B
Maryville, IL 62062

I certify this car as out-shopped meets all DOT, TC, AAR, Midwest Railcar Corp, and customer requirements.

By: _____

Shyn Jones

Date: _____

7-13-15

TANK CAR LINING SERVICE HISTORY

CAR NO. TRX 161149 LESSEE RI/A

CAPACITY 11660 INSP DATE 6/14/15 INSPECTOR AK PLANT ALM

LAST LINED 3/10 TYPE Plastic 953 APPLIED BY TRX

REASON SHOPPED Release LAST COMM. Calcium Bromide

LINING CONDITION VERY POOR POOR POOR TO FAIR FAIR FAIR TO GOOD GOOD

DEFECTS FOUND: (SEE DIAGRAM BELOW)

- RUST PEELING PROBE DAMAGE DAMAGES DUE TO REPAIRS
- RUST STAIN FLAKING BULKHEAD CRACKS DAMAGES DUE TO PROJECTS
- RUST BLEED CRACKING BURNED AREAS DAMAGES DUE TO RAILROAD
- RUST IN WELD SEAMS CHIPPING COMM COVERING LINED SURFACES, CANNOT INSPECT.

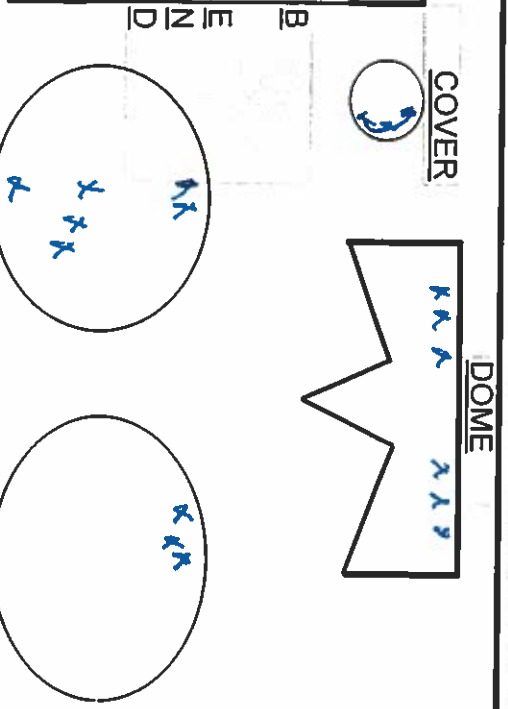
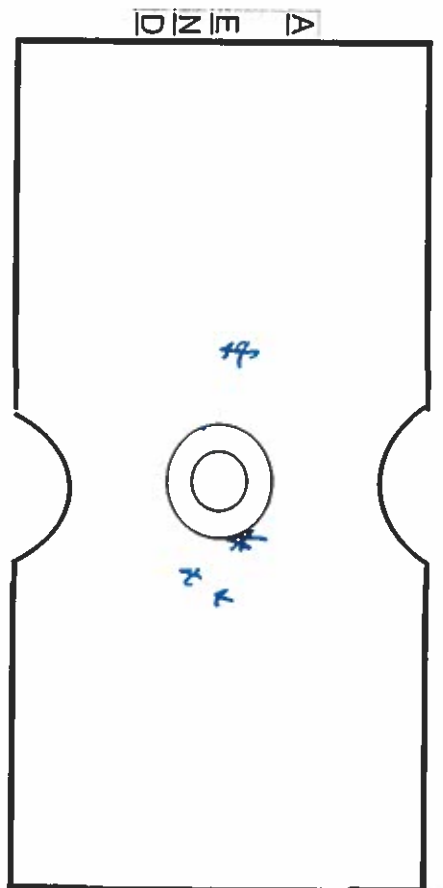
RECOMMENDATIONS: TOUCH UP LINING THIS SHOP RELINE THIS SHOP NO REPAIRS REQUIRED

PLEASE NOTE: TOUCH UP LINING OUTSIDE SHOP RELINE OUTSIDE SHOP

HIGHBAKE LINING RUBBER LINING RELINE PER S.S.P. ()

OTHER COMMENTS:

ARI 6024-A REV. A 9-07 BMARIB



Trinity Industry Leasing & Rail Management
Bubble Leak Test Examination Report

Car Mark and Number: TIX 161149 Inspection Date: 7-11-15
Reporting Facility & Location: ARIM Brookhaven
NDT Inspector: (print name) Patrick Blad
NDT Inspector Signature: [Signature]
NDT Inspector Certification Level: 2
Procedure No. and Revision: FD-TK-V-209 Tank Car Specification: AA& 211A BOW 1
* Rev

Leak Detector Solution:

Sherlock CG 40°F-125°F Snoop
Sherlock "Low Temp" -10°F- 125°F Other -150 to 150°F

Test Conditions:

Pressure Medium Type SHOP AIR Test Pressure 30 PSIG Hold Time 15 min
Component Surface Temperature Range 0-100 Component Surface Temperature 93°

Components Tested:

<u>1" Flange Valve</u>	<u>2" Flange Valve</u>	<u>Safety Valve</u>
<u>BoV</u>		

Bubble Leak Test Method: Liquid Film Immersion
Equipment Type: Pressure Gage ID ARIM-100² Pressure Gage Cal. Due Date 11-29-15
Equipment Type: Temp. Gage ID 88838 Temp. Gage Cal. Due Date 5-28-16
Equipment Type: Other ID N/A Cal. Due Date N/A
Surface Condition N/A Post Surface Cleaning
Examination Results: Accept Reject

Comments: _____

Regulatory Test

EXB007 Bubble Leak Test

Issued: 12/15/06 / Approved: John Embree / Rev #: 0 / Rev Date: n/a

Car Mark :

Car Number :

Reference ID :

Car Style :

Constructed Tank Spec :

Stenciled Tank Spec :

Commodity :

Built Date :

Shop Name :

Shop Location :

Shop State :

Shop Country :

Date of Inspection :

Status Comments :

Acceptance Criteria : No Leaks

Test Results : Acceptable Rejected

Inspector First Name :

Last Name :

NDT Level :

NDT Method :

Leak Detector Solution

- Sherlock CG 40 Degrees (F) - 125 Degrees (F)
- Sherlock Low Temp 10 Degrees (F) - 125 Degrees (F)
- Snoop
- Other

Comments : Low Temp Sherlock -15 - 150F

Test Gas Type : Shop Air

Pressure & Hold Time

Test Pressure (psi) : 30

Test Hold Time (min) : 15

Temperature

Temperature of Part Tested : 93

Fahrenheit Celcius

Test Areas

- Pressure Plate or Manway Cover
- Muiltousing Assembly
- Bottom Outlet Valve and Cap
- Vacuum Relief Valve
- Air Inlet Valve
- Sample Valves
- Pressure Relief Devices (flanged connections)
- Loading/Unloading Valves
- Thermowell Fittings (threaded connection)
- Gauging Devices
- Other

Comments :

Test Proc & Rev Level : FQ-TK-029 Rev. 0

Pressure Gage

ID Number : ARIM 100#2

Cal. Due Date : 11/29/2015

Temperature Gage

Other

ID Number : 88838

Cal. Due Date : 05/28/2016

ID Number : NA

Cal. Due Date : NA

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AMERICAN RAILCAR INDUSTRIES - REPAIR PROCEDURE

SUBJECT: Outbound Inspection Checklist Cars Outshopped Without Other Required Outbound Inspection Documentation	STD. ITG 3.01 REV. R ISSUED: 1/00 Sheet 2 of 2
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FIGURE 1

ARI Shop Location Bloomhaven, Gms.
OUTBOUND CHECKLIST

Car Number TILX 161149

	YES	NO	N/A	CHARGE- ABLE
1.0 Administrative				
1.1 Was reason shopped addressed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Were CCM requirements accomplished	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.3 Were Car Processing form requirements accomplished (computer projects, periodic test, special instructions)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.4 Was work order signed off correctly by Repairman & Foreman	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1.5 Was material and labor changes recorded on work order	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.0 Paint & Cleaning				
2.1 Is quality of paint or touch-up adequate (100% coverage, no sags, or runs, blast media and foreign matter absent)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.2 Is stencilling correct and clear (periodic dates, customer name wheel stencil, truck mount brake cyl. stencil, SS green square)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.3 Was lining condition good or bad condition reported and car tagged if car requires lining	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2.4 Were all bolted joints wrench tight and properly oriented (special attention to pressure car studs)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.5 Was clean and dry grade accomplished	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.6 Was all blast media and foreign matter removed from all loading and unloading fittings (outlet clean, valves & fittings clean)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.0 Mechanical				
3.1 Are brake pins the correct length and cottered	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.2 Are air brakes and hand brakes functional and lubed (check that vents are open and protected)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.3 Are all safety appliances in place, functional and safe (all sharp edges and pinch points removed)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.4 Are truck components properly matched (buttons, gibs, springs, wheel size)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.5 Were gage numbers recorded where controlled gages were used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.6 Are there any mechanical defects which show up after blast and paint	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.0 Other _____				
Inspector <u>Elyon Jones</u>				
Date <u>7-23-15</u>				

This repair procedure is proprietary to American Railcar Industries and any unauthorized use is strictly prohibited.

CERTIFICATE OF CAR CLEANING

Lessee: ICL Date: 04/28/15

Reporting Marks & Car Number: TILX 161149

Commodity: CALCIUM BROMIDE

Cleaning Shop: ARI / BROOKHAVEN

Contact Persons: JOHN MARTIN / RICKY BASS

Phone: (601) 384-5841 Fax: (601) 384-5146

Cleaning Procedure:

CP#4 ROTO JET DETERGENT WASH, PRESSURE WASH, RINSE OUT, VISUAL INSPECTION OF LINING.

Method Used to Certify Cleaing:

GASTECH 20.9% OXYGEN, 0 %LEL, VISUAL INSPECTION

Please Check the following:

NA Placards Removed NA Commodity Stencil Covered

All cars released from service that last contained a regulated commodity requiring placards, or shopped cars that have been customer cleaned must be verified for clean.

Your signature below will serve to certify that the above cleaning has been performed and that placards and commodity stencils have been removed.

DAVID EZELL

Name

06/16/15

Date

X 
David Ezell

Leadman

Title

Mail or Fax this form to:
American Railcar Industries
100 Clark Street
St. Charles, Mo 63301-2075

Attention: Safety & Environmental Department
Fax (636) 940-5330