

APPLICATION FOR APPROVAL OF VALVES, CLOSURES AND FITTINGS

Applicant Midland Manufacturing Corp AAR No. E192102
 Description of Device 2" Top Transfer Angle Valve for use as Vapor and Liquid Valves

Applicant No. _____ Device Ident. No. A-720/A-724 Series Date 3/15/2018

1. Manufacturer Midland Manufacturing Corp
 2. Address 7733 Gross Point Rd City Skokie State IL Zip 60077
 3. Test facility if other than the manufacturer Gary's Lab Address _____
 4. Test date 9/17-12/17 4. Observer See Supplemental
 Title: _____

TEST PROCEDURE:

5. Description of prototype testing: See supplemental information

6. Cycles	Min. Temp.	@ Pressure	Cycles	Max. Temp.	@ Pressure	Test Medium	Remarks
See Supplemental	_____ °F	_____ psi	_____	_____ °F	_____ psi	_____	
	_____ °C	_____ kPa	_____	_____ °C	_____ kPa	_____	
Cycles	_____ °F	_____ psi	_____	_____ °F	_____ psi	_____	Remarks
	_____ °C	_____ kPa	_____	_____ °C	_____ kPa	_____	
Cycles	_____ °F	_____ psi	_____	_____ °F	_____ psi	_____	Remarks
	_____ °C	_____ kPa	_____	_____ °C	_____ kPa	_____	

7. Commodity: Regulated Commodity Non Regulated Commodity Specific Commodity AA/EO/Mercaptan/VCM
 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	Ductile Iron	A-720/A-724 REV V		
11. Device details	See Supplemental			

12. Quality Control Statement MIDLAND IS CERTIFIED TO AAR M-1003 C4 AND C5 AND ISO 9001

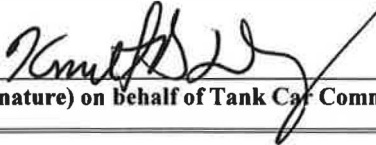
REVISIONS:

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 Khiem Q Hoang Title Engineering Manager

APPROVAL AAR Tank Car Committee Service Trial Required

Date Approved for Service Trial 5/31/2018
 Service Trial Number ST-471


 (Signature) on behalf of Tank Car Committee

APPROVAL AAR Tank Car Committee Service Completed / Not Required

Date Service Trial Completed _____
 Date Approved _____
 Expiration Date _____

(Signature) on behalf of Tank Car Committee