APPLICATION FOR APPROVAL OF PRESSURE RELIEF DEVICE

	AAR NO. PRD-022003 Applicant's No. Date 3-7-02							
APPROVAL REQUESTED OF AAR TANK CAR COMMITTEE								
					Device identification No.			
A 4*	<u>A-1477-** & A-14167-**</u>							
Applicant Midland Manufacturing Corp.					** the last 2 letters indicate the plastic material (see Revisions)			
						plastic n	iaterial (see R	(evisions)
1. Manufactur	erMic	lland Manufac	turing Corp.					
Address	7733 Gross Point Road, Skokie, IL 60077							
 Test facility Colorado Engineering Experiment Station, Inc. (CEESI) Location Nunn, Colorado Test date 11/29/01 5. Observer Russ Germick 								
4. Test date	11/2	29/01		· · · · · · · · · · · · · · · · · · ·	5. Observer	Russ Ge	rmick	
6. Device Number	7. Start-to-discharge		8. Flow rating		9. Vapor-tight		10. Flow Capacity	
	psi	kPa	psi	kPa	psi	kPa	SCFM	std.m ³ /s
A-1477 - **	75		85		60		2027	
A-14167-**	165		181		132		3612	
	_							
	,							
11. Official flow	v capacity (air)) 2027 s	scfm (std.i	m³/s) at flow ra	ting pressure	85	psi (kPa)
11. Official flow	u camacitu (nie)	2612	ofm (atd :	m³/s) at flow re			Air psi (kPa)
11. Official flow	v capacity (air,	<u> </u>	su.	III 7 5) at 110 w 1a			psi (Air	KF a)
12. Commoditie	s Hyd	rochloric Acid						
						-	Precedent	
The following drawings apply Drawing number								
Latest revision					Drawing Number Certificate			
13. Valve Assembly <u>A-1477-**, Rev. I</u>						<u>A-1479</u> <u>SRD 989064</u>		
14. Valve Assembly A-14167-**, Rev. 15. Valve Mounting Nozzle None					<u>F A-14</u>	169	SRD	989064
15. Valve Mout	iting Nozzie		Non	ie				
REVISIONS:	**RY - Ryto	n, KY – Kyna	r, UL – Ulte	em, PK – Peek	; to designat	e plastic pres	sure retaining	parts.
CERTIFICATION	ON: The abo	ve data is corre	ect. The cap	acity test comp	lies with AA	R Specification	ons for Tank	Cars.
				nform with the				
		00.+6	(A).					
By: Robert I	L Dean, PE	Coven r	h Axea	TitleI	Director of Er	ngineering		_
APPROVAL A	AR Tank Car	Committee	 			1		
					57	No.		
**	un 1/ 1	8 2002			KE	X Crush	Low	
Date Approved _				_	(Ciamatuus)	on hobolf -4	Tools Con C	lamamitta.
<u></u>					(Signature)	on behalf of	танк Саг С	

++ SUBJECT TO AAR SERVICE TRIAL NO. 402.

^{*} When the design of a pressure relief device is such that the spring follower is guided by the mounting nozzle, the mounting nozzle shall be considered as a required part of the application and a drawing of the nozzle in sufficient detail to show critical dimensions shall be included. When the pressure relief device design does not require the mounting nozzle to act as a guide for the spring follower the word "None" can be used in the space for this item.