APPLICATION FOR APPROVAL OF VALVES AND FITTINGS

ApplicantM	IDLAND MANUFA	ACTURING COR	P.		AAR N	NoE10201	1	
Description o	f Device <u>3"</u> CH	ECK VALVE						
Applicant No		Devi	ce Ident. No). A-183-SS, A-	183-CS_Date_	9-3-2010		
1. Manufact	turer MIDLAND M	ANUFACTURING						
Address					City SKOKIE State IL Zip 60077			
	ity MIDLAND MA				Address SKOKIE, IL 4. Observer LESTER WILCZEK			
	3/2010						11. (1.)	
TEST PROC			G 2 3 E E E E	_			lb. (kg)	
	on of prototype test					. FLOW SIMOLA	ATION UTILIZING	
7. Descripti	on of production te	sting:	OF CEASE	CEAL AND DOD	V CACTING			
100%	PRESSURE TESTI	NG AI 500 PSI	OF SEAT	SEAL AND BOD	I CASTING		· · · · · · · · · · · · · · · · · · ·	
3. Cycles	Min. Temp.	@ Pressure	Cycles	Max. Temp.	@ Pressure	Test Medium	Remarks	
J. Cycles	or	psi	Cycles	°F	psi	1 CSt 141CG1GIII	·	
	°C			°C				
		kPa			kPa			
Cycles	Min. Temp.	@ Pressure	Cycles	Max. Temp.	@ Pressure	Test Medium	. Remarks	
***************************************	°F	psi		°F	psi			
	°C	kPa		°C	kPa		·	
9. Cycles	Min. Pressure	@ Temp.	Cycles	Max. Pressure	@ Temp.	Test Medium	Remarks	
-	psi	°F	-	psi	°F			
	kPa	°C		kPa	°C			
Cycles	Min. Pressure	@ Temp.	Cycles	Max. Pressure	@ Temp.	Test Medium	Remarks	
	psi	°F		psi	°F			
	kPa	°C		kPa	°C			
0. Initial con	nmodity (or comm	odity type) ANHYDR	OUS AMMON	IA 11. Flow rate	(if applicable) _	gpn	n (L/min)	
		Drawing		wing Number	umher		Precedent	
Applicable drawings		Material	latest revision		Drawing Number Application/Certificat		ication/Certificate	
2. Device ap	plication							
13. Device assembly		STAINLESS STEE	L A-183	B REV A				
4. Device de	tails							
5. Quality co	ontrol statement:	MIDLAND MANUF	ACTURING	IS CERTIFIED	ISO 9000 AN	D REGISTERED	CLASS F FACILIT	
MIDLAND HA	AS RIGID QUALIT	TY CONTROL PRO	OCEDURES	TO ENSURE THA	AT ALL TESTS	AND MANUFACT	URING SPECIFICAT	
ARE MET.								
REVISIONS:	:							
CERTIFICA	TION: The above tested conf	data is correct and orm with drawing			cations for Tank	Cars, Appendix	A. The devices	
\sim 1								
Зу У	of C. Fun			Title	GLOBAL DI	REGIOR, EN	SINEBRING	
FRROVAL	AAR Tank Car C	ommittee	IΔ	N 3 1 2011	· ·	#11		
		Date A	Approved		Km	W (X	Jorany	
					(Signature)	on behalf of Tar	ik Car Comi f ittee	

Subject to AAR Service Trial No. <u>\$T - 437</u>