# TBC

								Page 1 of 2
1	APPROVAL REQUESTED OF:	PRECEDENT	2 TYPE: CONSTRUCTION	, [	WELDED REPAIR		3 AAR NO	L046063A
		NON PRECEDENT	ALTERATION	L	OTHER		4 DATE:	OCTOBER 27, 2004
			CONVERSION				5 APPLICANTS NO _	T04040 & T04040X
6	APPLICANT: TRINITY IN						7 TANK SPECIFICATION	
	P.O. BOX		OALLAS, TEXAS 7			*****	8 STENCILED SPEC :	DOT 111A100W1
9	REPORTING MARKS & CAR NUMBER	s TILX	191242 thru TIL)	( 19	91376	1	O NUMBER OF CARS	135
	Initial commodity		E NOTES		Density, lb.			6.6
	Full water capacity, ga		30,145		Dome capad		<u> </u>	r DOT 173.24b(a)(1)
	Material type & grade		Л A516 Gг. 70		Material type			AAR TC128 Gr. B
	Material thickness - h		7/16		Material thic			7/16
	Lining type		NONE		Inside diame			119-3/8 2:1 ELLIPSOIDAL
21		rings, in.	119-3/8		Head radius		(If not 2:1)	
	Test pressure, psig		165		Insulation ty		Dt. :- 0 62 0r	NONE
1	Insulation thickness, i		N.A.				Btu-in/hr-ft <sup>2</sup> -°F	N.A. osia 75
27	Type and number of pre	·	ONE VALVE		<u> </u>		rt-to-discharge, p	
	Pressure relief device flo		10,846*				v capacity, scfm,	actual 21,602 STUB SILLTRN 023
31			1755		Underframe		туре	66,300
	Center of gravity, load		88.7		Est, light we			263,000
	AAR clearance diagra	am	C 		Rail load lim Head shield			NONE
	Truck capacity, tons	f - mit of Alaskal and Taki		30	meau snieiu	15		NONL
NC	)   ES: * Gu = 23./1	for Ethyl Alcohol per Tabl	e Ao		O	rig. Cert.		
Γ	Ethyl Alcohol and pro	ducts authorized in DC	OT Part 173 for whic	h		ıilder		
	there are no special of	commodity requirement	ts and non-regulated	Ŀ		ate		
	commodities compati	ble with this class of ca	ar		Fo	ormer ladin	<u>g</u>	
						771-	o following pri	os approvala apply:
			l					or approvals apply:
L	The Following Drawir	ngs Apply	Drawing N		er	Drawing	Number	Application/Certificate No.
	General Arrangement	allowed supporting the State of the second control of \$1.50.50 to the	D-41579A					L036055A
40	Tank Arrangement	ograng ar ogran obe beeds concept one car obe 986 bill cities	D-43655 S					
	Reinforced Openings	Book of the course the second section of the course of the	D-43655 S					1,026020
	Bolster & Draft Sill Arrgt	power of the particles in the record of the or	D-440494-02	ъH.	1A & 2A			L036029
	Fittings Arrangement	SACRESACSANA (SELECTIVE SELECTION SACSAC SELECTION SELECTION	D-55066	40				1.026064
	Manway Assembly	or Dronger (Corn. ACSSESSE) also also also also accepted to the Alexander of the Alexander	D-643668	***************************************	<u> </u>			L036064 L036048B
	Protective Housing	en ischen chi imi cost state Secsioni, in citic itti statistita en	C-38275F	***************************************				L030040B
	Venting, Loading and D		See Page		2007			PRD022004
	Pressure Relief Devices	nabes and state of the contract of the contrac	MIDLAND	Α	2097			FND022004
	Heater Systems (Int.	4. 4. 4. 4. 4	NONE D 43655	<u>ъ</u>	20			
		'isual Scale)	D-43655 S JAMESBURY			L IRTT		E989005
	Bottom Outlet Valve	HO HOUR HERE SAFARE HE HE HE HOUR HE SAFARE OF	D-55757-			1011		LUUUUU
	Bottom Outlet Arrgt	or the Original Street, who have a constrained to the Street, and the Street,	D-35757-1 D-243613					L046011
	Manway cover	on the sessence of the more properties of the most	D-243613 D-644023		1182			L026066
	Calculations	ergerisesse se de la calcilla de se se se calcilla de la calcilla.	D-644023		1, 1 0 4			L046043
	Tank Qualification Drav	MEIQ	DAIROIL	_	APPLICAT	ION BY:	WILLIAM R	
	EVISIONS:	d Milliana Arast shira	D EEOEE to replace			_		able DOT and AAR requirements
No		d new Fittings Arrgt dwg	D-00000 to replace					nterchange, and the DOT Railroad
	awg	D-55021-01			Safety Applian			Moromango: and the per manual
					SIGNATUR	_		
					TITLE		SENIOR DI	ESIGN ENGINEER 7
A	PROVAL - AAR Tank	Car Committee						V
			DEC	1 !	5 2004			
		Date	Approved					(T-10-0-0
******								of Tank Car Committee
C	ERTIFICATION: The	cars enumerated below o	conform to the above a	ppro	ved descriptio	n and to all : liance Stand	applicable DOT a	inu AAK requirements is Certificate of
ind	cluding Specifications, Re	egulations, Rules of Interc ed to the owner and other	nange and the DOT Ri is as required by 49 CF	:P P	art 179.5 hefn	re these car	s are placed in s	<b>C</b> rvice
	onstruction will be furnish Itials and Car Numbers:	ed to the owner and other	a ad rodelled by 40 Or				, 7	
4118		0110 -1012	7 <i>I</i>		Name			Date 1-3-05
	110X M1	242 - 1913	4 /		-	\		T
Fo	orm AAR 4-2 Revised 12/	1/00 (L	~		Title	Oire	Xor Quality A	Nissurance

						_					Page 1 of	
1	APPROVAL REQ	UESTED OF:	PRECEDENT	2 TYPE:	CONSTRUCTION	۱ [	WELDED RE	PAIRS	3 aarno		L056007	
			NON-PRECEDENT		ALTERATION		OTHER		4 DATE:	F	EBRUARY 17	
					CONVERSION				5 APPLICANTS	4O	T04052, 52	<u>2A, 52Y</u>
6	APPLICANT:	TRINITY IN	DUSTRIES, INC.		_				7 TANK SPECIFIC	CATION:	DOT 111A	.100W1
		P.O. BOX 5			S, TEXAS 7	535	6-8887		8 STENCILED SP	EC:	DOT 111A	100W1
9		RKS & CAR NUMBERS			7 thru TIL				10 NUMBER OF C	ARS	163	
•	REPORTING MA	NAS & CAN NUMBERO					, , , , , , ,			***************************************		
111	Initial con	amodity	<u> </u>	SEE NOT	FS I	12	Density I	b. per gallon			6.59	
1	Till water	iniounty		30,14			***************************************	pacity or out		ner D	OT 173.24b(a	1/1)
		capacity, ga		30,14 TM A516							AR TC128 Gr	
		ype & grade			GI. 70			ype & grade				I. <u>U</u>
		hickness - he	eads, in.	7/16				hickness - s		,	7/16	
19	Lining typ	е		NONE				meter - cen			119-3/8	
		meter - end	rings, in.	119-3	1/8	22	Head rad	ius, main, in	. (if not 2:1)	2	:1 ELLIPSOIE	DAL
23	Test pres	sure, psig		165			Insulation				NONE	
		thickness, ir	٦.	N.A.		26	Thermal (	conductivity,	Btu-in/hr-ft <sup>2</sup> -	.ºF	N.A.	
27	Type and r	number of pres	sure relief devices	ONE	VALVE	_			art-to-dischar		75	
			w cap'y., scfm req'd.	10,84					ow capacity, s	<del></del>	······································	
	·	ace area, sq	·····	1755				ne or stub s			UB SILLTRI	N 023
-				88.7				weight, lb.	суро		66,200	
-		gravity, load		C			Rail load				263,000	,
-		rance diagra	m								NONE	<u> </u>
		pacity, tons		100			Head shi			,	NONE	
N	DTES: *C	3u = 23.71  for	Ethyl Alcohol per Tabl	e A5 at 75	psig start-to-di	scha	ırge pressı	re Osia Cost				
Γ	**************************************	-1-1	44	DOT Dort	172 for which			Orig. Cert. Builder				
1			ducts authorized in					Date				
			ommodity requirements of with this class of		ion-regulated	i	1	Former ladii	7.7			
L	commodi	ues compani	DE WILL LIES CIASS OF	- Cai				1 Officer ladin				
_								Т	he following	prior a	pprovals apply:	
l	TL-	ima Dinassia	an Annly		Drawing No	mh	or.		g Number		olication/Certific	
L		wing Drawin	gs Apply				UI	DICTAME	g (voitibe)	VAV	L046029	ato ito.
			and the Section Section of the second section of the Section	hr Sur	D-41689A		411				L040029	
	Tank Arrai	T 1 146 M	cape against age states, and the age age ages to a \$17.5		D-43655 S							
41	Reinforced	d Openings	the species of the State of the species of the species of		D-43655 S							
42	Bolster & I	Draft Sill Arrgt	and the sale and an one See Self and and all	D-4	140494-02 9		1A & 2A				L036029	
43	Fittings Ar	rangement			D-55021-0	)1E					L046061	
	Manway A		or one open as ower NI NRC II. No other 11. No 18. 18.	.,	D-643668	-10	5B				L036064	
	Protective	n. u	in his had hillion and in the same and the had had had held a		C-38275F						L036048B	
		·	scharge Valves		See Page	2						
		Relief Devices	scharge valves	550 SEC	MIDLAND		2097		·		PRD022004	
		22	□Ext □)		NONE							
	Heater Sy		W Suff of each offer		D-43655 S	2 LJ	20					
	Gauging D	1 411 1 HA 4 4 4 5 7	sual Scale)					RTT			E989005	
	) Bottom Ou		MAY SHA SECOND ONE SHOWING HE SHE SHA CSECOND ON	Jai	nesbury 4"						L046063A	
	Bottom Ot	•	re age to the time time are recognised to the time.		D-55757-0							
	2 Manway c	FARCAT: 41 II	arous are as one or operation of SACON code. To ob-	-a	D-243613						L046011	
	3 Calculatio	4 44 Nov. 44 NOV. 15 NOV.	#SEASEAN OF THE RESIDENCE OF THE SECOND SECOND		D-644023		.1&2				L026066	
54	Tank Qua	lification Drawi	ing		D-41451B						L046043	
R	EVISIONS	:	and the second of the second of the second				APPLICA	ATION BY:	WILLI	AM R.	BITTING	
							I certify that	the foregoing c	onforms to all ap	oplicable !	DOT and AAR requi	irements
							includina Si	ecifications. Re	gulations. Rules	of Interc	hange, and the DOT	l' Railroad
								iance Standards			<u> </u>	
							SIGNAT	URE 🛩				
							TITLE		SENIC	R DES	SIGN ENGINE	ER /
Δ	PPROVAI	- AAR Tank	Car Committee				***************************************		122	1_		7
, ,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			MAAI	_	4 0 00	<b>^</b> =				
			Da	te Approve		۲	1820	UD	1			
						~		Sig	nature on bel	half of T	ank Car Committe	ęę
C	FRTIFICA	TION: The o	cars enumerated belov	v conform t	o the above ar	יסומי	ed descrip	tion and to all	applicable DO	OT and A	AAR requirement	S
in	cluding Sper	cifications Red	gulations. Rules of Inte	erchange ar	nd the DOT Ra	ilroa	id Safety A	ppliance Stan	dards Copy	of this C	ertificate of	
C	onstruction v	will be furnishe	d to the owner and oth	ners as requ	uired by 49 CF	RΡ	art 179 5 b	efore these ca	irs are placed,	in servi	ce	
		ır Numbers:		7	•		_	-				سد م
			101530				Name				_Date <u>3-2</u>	075
	TILX	191377 -	-1712-57							O		
F	Form AAR 4-2 Revised 12/1/00 In Title Director Quanty Assurance											

AAR Number <u>L056007</u>
Applicant's No <u>T04052, 52A, 52Y</u>
Date <u>February 17, 2005</u>

#### APPLICATION FOR APPROVAL AND CERTIFICATE OF CONSTRUCTION

	THE FOLLOWING DRAWINGS APPLY	<u>DRAWING</u> <u>NUMBER</u>	PRECEDENT APPLICATION NUMBER
55.	15" FLUED NOZZLE	D-440083A	L046011
56.	15" MULTI-HOUSING NOZZLE ASSEMBLY	D-440146B	L986056
57.	15" MULTI-HOUSING NOZZLE COVER FLANGE	D-440199B	L046063A
58.	6" SAFETY VALVE NOZZLE ASSEMBLY	B-27507K	L996141B
59.	SAFETY VALVE ARRANGEMENT	D-45651-03C	L046029

***	LINE 46VENTING, LOADING AND DISCHARGE VALVES
	THESE ARE THE VALVES REFERENCED ON FITTINGS ARRANGEMENT <u>D-55021-01</u>
•	I" SCREWED END BALL VALVE
٦	WATTS CFBV-AAR <u>AAR E049018</u> Pending
	JAMESBURY 6FR-2236-MT AAR E989012
I	ELLCON 2S6BS-FPMP-1 AAR E019003
j	JAMESBURY 33-2236-TLAAR E979019A
,]	JAMESBURY 23-2236-MT AAR E979041A
	GEMINI 86-4RT6-S8-LAAR E009023A
:	3" SCREWED END BALL VALVE
į	JAMESBURY 6FR-2236-MT <u>AAR E989012</u>
1	WATTS CFBV-AAR AAR E049018 Pending
1	ELLCON 2S6BS-FPMP-3 AAR E019003
•	

Cars are constructed in accordance with all applicable DOT/TC and AAR requirements. Car body structure meets the requirements of S-286-2002.

APPLICATION BY William R. Bitting

1 certify that the foregoing conforms to all applicable DOT and

AAR requirements, including Specifications, Regulations, Rules
of Interchange and the DOT Railroad Safety Appliance

Standards.

SIGNATURE

TITLE

Senior Design Engineer

MAR 1 8 2005

APPROVAL AAR Tank Car Committee

Date Approved MAR 18 2005

(Signature) on behalf of Tank Car Committee
Page 2 of 2

1 APPROVAL REQUESTED OF:	PRECEDENT  NON-PRECEDENT	2 TYPE: CONSTRUCTION	:	WELDED REPA			L066050A NOVEMBER 8, 2006
6 APPLICANT: TRINITY IND	LICTRICO INC	CONVERSION				5 APPLICANTS NO	
P.O. BOX 568		ALLAS, TEXAS	753	56-8887		7 tank specifica: B stenciled spec	
9 REPORTING MARKS & CAR NUMBERS		193841 thru TIL				D STENCIOED SPEC D NUMBER OF CAR	
						o managra, ave	A V T
11 Initial commodity	SEI	E NOTES	12	Density, lb.	per gallon		6.05
13 Full water capacity, gal.		30,145		Dome capa			er DOT 173.24b(a)(1)
15 Material type & grade - I		/ A516 Gr. 70		Material typ			AAR TC128 Gr. B
17 Material thickness - head		7/16		Material thic			7/16
19 Lining type		IONE		Inside diam			119-3/8
<ul><li>21 Inside diameter - end rin</li><li>23 Test pressure, psig</li></ul>	gs, in.	119-3/8 165		Head radius		(If not 2:1)	2:1 ELLIPSOIDAL
25 Insulation thickness, in.		N.A.		Insulation to		34. 1-15- 42 O	NONE
27 Type and number of pressu	use relief devices	ONE VALVE				3tu-in/hr-ft <sup>2_0</sup> rt-to-discharg	
29 Pressure relief device flow		10,846 *				w capacity, sc	
31 Tank surface area, sq. ft		1755		Underframe			STUB SILL—TRN 023
33 Center of gravity, loaded	······································	88.7		Est. light we		.,,,,,	66,200
35 AAR clearance diagram		C		Rail load lin			263,000
37 Truck capacity, tons		100		Head shield			NONE
<b>NOTES:</b> * Gu = 23.71 for	Ethyl Alcohol per Table	2 A5				······································	
City of Alaskal and and	-tt	T.D1 470 C 1 . 1			rig. Cert.		
Ethyl Alcohol and production there are no special con	cis authorized in DO	I Part 1/3 for Which	n ₁		uilder ate	· · · · · · · · · · · · · · · · · · ·	
alore are no special corr	modity requirements	and non-regulated	1	<u> </u>	alt		
			<del></del>	J			<del></del>
					Th	e following p	rior approvals apply:
The Following Dra	wings Apply	Drawing N	uml	per		Number	Application/Certificate No.
39 General Arrangement	adalahkhisanikky aktii a tagat pi a saktya sak maara daakka s	D-41689C	-				L066046
40 Tank Arrangement	Complete and the second second section in the second section is second section in the second section in the second section is second section in the second section in the second section is second section in the second section in the second section is second section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the second section in the second section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section is section in the section in the section in the section in the section is section in the sectio	D-43832 S					
41 Reinforced Openings	e unditional i midio sellation della opportion e sengrappi sopoj, talengoj, signogasjoj.	D-43832 S					
42 Bolster & Draft Sill Arrgt	Company of the second of the s	D-440494-01	<u>SH.</u>	1A & 2A			L056062
43 Fittings Arrangement	talell detrall catholic diletelelalamino de qua consequi comença	D-55225					
44 Manway Assembly	nalalastutta (1 čara 22 m) sa sa pp. Gappular - Millandi Sandalak (1	D-643668		5E			L056121
45 Protective Housing	BANGEN STONERS AND AND WINDOWS TO CONTRACT CONTRACTS	C-38275F		·····			L036048B
46 Venting, Loading and Disch	narge Valves	See Page		0405			2222222
47 Pressure Relief Devices 48 Heater Systems (Int	C.4 T.	MIDLAND	Α-	2165			PRD 002012
	/isual Scale)	NONE D-43832 S	DLI.	24			LOCCOFO DENDINO
50 Bottom Outlet Valve	ISUAI OCAIE)	Jamesbury 4"	~~		T-		L066052 PENDING
51 Bottom Outlet Arrot	er i san esta an esta de esta de esta de esta de esta de esta esta esta esta esta esta esta est	D-55757-0			‡   		E989005
52 Manway cover	SANAPATANANAN SANAPATAN SANAPATAN SANAPATAN	D-243613	~~~~	·			L066028A
53 Calculations	т невим - мини веле и в селивов уду дележници нег ид	D-644023 S		ets 1 & 2			L026066
54 Tank Qualification Drawing	a along the alane to a line of and it. Managed Hindepotent and is consequent	D-41451B					L046043
REVISIONS:	Visitivi Montrelly men nerver octobill i Absorb.			APPLICAT	ION BY:	SANDY	L. MCQUEEN
Rev.A, Dec. 6, 2006: Revised	lines 43, 51, & 59				*****		pticable DOT and AAR requirements
							or the only be Jand the DOT Railroad
				Safety Appliar	nce Standards	/	
				SIGNATUR	₹E	( Fubius	
APPROVAL - AAR Tank Ca	or Committee			TITLE			ERING MANAGER
AFFROVAL - MAR TAIN Co		1 .				~??/-	
	Date A	Approved JAN.	5	1200	フル		<u>)</u>
						alure on beha	If of Tank Car Committee
CERTIFICATION: The ca	rs enumerated below c	onform to the above a	аррг	oved descrip	tion and to a	applicable D	OT and AAR requirements
including Specifications, Regul.	ations. Rules of Interch	ange and the DOT Ri	ailro	ad Safety App	pliance Stand	lards Copy o	of this Certificate of
Construction will be furnished t Initials and Car Numbers:	o the owner and others	s as required by 49 Cf	FR F	Part 179 5 bef	fore these ca	rs are placed	In service.
	1011 nav			Name			Date /-/1-07
TILX 193841 -	-174 Y77			MOUNT	1:0		
Form AAR 4-2 Revised 12/1/00				Title	nust	tor Qualit	Assurance

AAR Number	L066050A
Applicant's No	T06001
Date	November 8, 2006

	THE FOLLOWING DRAWINGS APPLY	<u>DRAWING</u> <u>NUMBER</u>	PRECEDENT APPLICATION NUMBER
55	15" FLUED NOZZLE	D-440083A	L046011
56	15" MULTI-HOUSING NOZZLE ASSEMBLY	D-440146B	L986056
57	15" MULTI-HOUSING NOZZLE COVER FLANGE	D-840171A	L056122
58	6" SAFETY VALVE NOZZLE ASSEMBLY	B-27507K	L996141B
59	SAFETY VALVE ARRANGEMENT	D-55557-01	

***************************************	
	LINE 46—VENTING, LOADING AND DISCHARGE VALVES  THESE ARE THE VALVES REFERENCED ON FITTINGS ARRANGEMENT  D-53140-014-
	1" SCREWED END BALL VALVE         JAMESBURY 23-2236MT-1       — AAR E979041A         JAMESBURY 6FR-2236-MT       — AAR E989012         JAMESBURY 33-2236-TL       — AAR E979019A         WATTS CFBV-AAR       — AAR E049018         ELLCON 2S6BS-FPMP-1       — AAR E019003         GEMINI 86-4RT6-S8-L       — AAR E009023A
	3" SCREWED END BALL VALVE         JAMESBURY 6FR-2236-MT       ————————————————————————————————————

Cars are constructed in accordance with all applicable DOT/TC and AAR requirements Car body structure meets the requirements of S-286-2002.

	APPLICATION BY Sandy L. McQueen
	I certify that the foregoing conforms to all applicable DOT and
	AAR requirements, including Specifications, Regulations, Rules
	of Interchange and the DOT Railroad Safety Appliance
	Standards
	SIGNATURE
	TITLE Engineering Manager
APPROVAL AAR Tank Car Committee	Date Approved
	(Signature) on behalf of Tank Car Committee
Form AAR 4-2 1 Revised 12-1-00	Page <u>2</u> of <u>2</u>

1	F: PRECEDENT	2 TYPE: CONSTRUCTION	и Г	WELDED REPAIRS	3 AAR NO	L066070
APPROVAL REQUESTED OF	NON-PRECEDENT	ALTERATION	-	OTHER	4 DATE:	NOVEMBER 10, 2006
	▼ NOTH-PRECEDENT	CONVERSION		_	5 APPLICANTS NO	
c TDINI	ITY INDUSTRIES, INC.	(			7 TANK SPECIFICA	
6 APPLICANT: TRINI	BOX 568887	DALLAS, TEXAS	753E	56-8887	8 STENCILED SPE	c: DOT 111A100W1
	WWW 17 40 40 70	- 195394, TILX 1987	705	- 198759, &	10 NUMBER OF CA	1,430
9 REPORTING MARKS & CAF	TILX 198910 -	199459				
11 Initial commodit		EE NOTES		Density, lb. pe		6.59
13 Full water capa		30,145				per DOT 173.24b(a)(1)
15 Material type &	grade - heads AS	TM A516 Gr. 70			& grade - shell	AAR TC128 Gr. B
17 Material thickne	ess - heads, in.	7/16	18	Material thick	ness - shell, in.	7/16
19 Lining type		NONE			ter - center, in.	119-3/8
21 Inside diameter	r - end rings, in.	119-3/8	22	Head radius,	main, in. (if not 2:1)	2:1 ELLIPSOIDAL
23 Test pressure,		165	24	Insulation typ	) <del>e</del>	NONE
25 Insulation thick		N.A.			ductivity, Btu-in/hr-ft <sup>2</sup>	
	er of pressure relief devices	ONE VALVE	28	Pressure relief	l device start-to-dischar	ge, psig 165
29 Pressure relief d	levice flow cap'y., scfm reg'd.	11,120 *			I device flow capacity, s	cfm, actual 35,608
31 Tank surface a		1755	32	Underframe	or stub sill type	STUB SILL—TRN 023
33 Center of gravi		88.7		Est. light wei		66,200
35 AAR clearance		С		Rail load limi		263,000
37 Truck canacity	/ tons	100		Head shields		NONE
NOTES: Gu = 2	4 31 for Ethyl Alcohol at 165 p	sig start-to-discharge pr	ressu	re- per L05604	IOA.	
				<u> </u>	g. Cerc	
Ethyl Alcohol a	and products authorized in I	DOT Part 173 for which	ch		ilder	***************************************
there are no st	pecial commodity requirement	ents and non-regulate	3d	Da	te rmer lading	
commodities c	compatible with this class of	car			inier lading	
					The following	prior approvals apply:
		Drawing !	Nism	her	Drawing Number	Application/Certificate No.
	Drawings Apply	D-41759		ibei -	Diaming transact	L056040A
39 General Arrango	11, 4 14	D-41759 D-43832				L066050 Pending
40 Tank Arrangem	ient			. 1D I. 2A & 3A		L066050 Pending
41 Reinforced Ope	Verselling Additional and the second	D-440494-01				L056062
42 Bolster & Draft	The state of the s	D-440494-01 D-55174	***************************************	1. 17 0 27		
43 Fittings Arrange	quality that the same of the s	D-64366		75E		L066060A
44 Manway Assem	- CONTRACTOR OF THE PROPERTY O	C-38275		00,		L036048B
45 Protective House		See Pag				
	ng and Discharge Valves	MIDLAN			· · · · · · · · · · · · · · · · · · ·	SRD002012
47 Pressure Reliel		NONE	107	1-2 100		
48 Heater System	ns (Int. IExt L.1)		2 6 6	1 20	· · · · · · · · · · · · · · · · · · ·	L066050 Pending
				7 /M I		
49 Gauging Device	es (Visual Scale)	D-43832	AH EF	DETS SOLID	Tf	
49 Gauging Device 50 Bottom Outlet V	es (Visual Scale)	Jamesbury 4	4" 5f	RET3-22HB	IT	E989005
	valve (Visual Scale)	Jamesbury 4 D-5575	4" 51 7-04	RET3-22HB IB	П	E989005 L066051
50 Bottom Outlet	ces (Visual Scale) Valve Arrgt	Jamesbury 4 D-55757 D-2436	4" 5 <b>1</b> 7-04 13M	RET3-22HB IB I	П	E989005 L066051 L066028A
50 Bottom Outlet v 51 Bottom Outlet v 52 Manway cover 53 Calculations	valve Arrgt.	Jamesbury 4 D-5575 D-2436 D-6440	4" 51 7-04 13M 23 S	RET3-22HB IB	II	E989005 L066051 L066028A L066112
50 Bottom Outlet 51 Bottom Outlet 52 Manway cover	valve Arrgt.	Jamesbury 4 D-55757 D-2436	4" 51 7-04 13M 23 S	RET3-22HB  B    SH. 1 & 2B		E989005 L066051 L066028A L066112 L046043
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50 Bottom Outlet v 51 Bottom Outlet v 52 Manway cover 53 Calculations 54 Tank Qualifica	valve Arrgt.	Jamesbury 4 D-5575 D-2436 D-6440	4" 51 7-04 13M 23 S	RET3-22HB IB ISH. 1 & 2B APPLICAT	FION BY: Sar	E989005 L066051 L066028A L066112 L046043 ady L. McQueen ii applicable DOYand AAR requirements
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50 Bottom Outlet V 51 Bottom Outlet J 52 Manway cover 53 Calculations 54 Tank Qualifica REVISIONS:	valve Arrgt  full distribution Drawing	Jamesbury 4 D-5575: D-2436: D-6440: D-4145	4" 51 7-04 13M 23 S 1B	RET3-22HB B I SH. 1 & 2B APPLICAT I certify that the including Spet Safety Applia SIGNATULTILE	TION BY: Sar ne foregoing conforms to cifications, Begonations/1 nce Standards.	E989005 L066051 L066028A L066112 L046043 ady L. McQueen ii applicable DOYand AAR requirements
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AAR Number	L066070
Applicant's No	T06021
Date	November 10, 2006

	THE FOLLOWING DRAWINGS APPLY	<u>DRAWING</u> <u>NUMBER</u>	PRECEDENT APPLICATION NUMBER
55.	15" FLUED NOZZLE	D-440083A	L046011
56.	15" MULTI-HOUSING NOZZLE ASSEMBLY	D-440146B	L986056
<b>57</b> .	15" MULTI-HOUSING NOZZLE COVER FLANGE	D-840171A	L056122
58.	6" SAFETY VALVE NOZZLE ASSEMBLY	B-27507K	L996141B
<b>59</b> .	SAFETY VALVE ARRANGEMENT	D-55536A	L066027A

LINE 46---VENTING, LOADING AND DISCHARGE VALVES THESE ARE THE VALVES REFERENCED ON FITTINGS ARRANGEMENT D-55174 1" SCREWED END BALL VALVE JAMESBURY 23-2236MT-1 ----- AAR E979041A WATTS CFBV-AAR ------ AAR E049018 ELLCON 2S6BS-FPMP-1 ----- AAR E019003 

Cars are constructed in accordance with all applicable DOT/TC and AAR requirements Car body structure meets the requirements of S-286-2002.

	APPLICATION BY	Sandy L. McQueen		
	I certify that the foregoing conforms to all applicable DOT and			
	AAR requirements, include	AAR requirements, including Specifications, Regulations, Rules		
	of Interchange and the DOT Rhilroad Safety Appliance			
	Standards.			
	SIGNATURE			
	TITLE	Engineering Manager		
	JAN 12 2007			
APPROVAL AAR Tank Car Committee	Date Approved			
Form AAR 4-2 1 Revised 12-1-00	(Signatu	re) on behalf of Tank Car Committee Page 2 of 2		

AAR Number \_\_\_ L046063A Applicant's No T04040 & T04040X Date October 27, 2004

### APPLICATION FOR APPROVAL AND CERTIFICATE OF CONSTRUCTION

	THE FOLLOWING DRAWINGS APPLY	<u>DRAWING</u> <u>NUMBER</u>	PRECEDENT APPLICATION NUMBER
55.	15" FLUED NOZZLE	D-440083A	L046011
56.	15" MULTI-HOUSING NOZZLE ASSEMBLY	D-440146B	L986056
57.	15" MULTI-HOUSING NOZZLE COVER FLANGE	D-440199B	
58.	6" SAFETY VALVE NOZZLE ASSEMBLY	B-27507K	L996141B
59.	SAFETY VALVE ARRANGEMENT	D-45651-03C	L046029

THESE AR	E THE VALVES	REFERENCED	ON FITTINGS A	ARRANGEMENT <u>D-55066</u>
I" SCREW	ED END BALL V	/ALVE		
				<u>AAR E949003</u>
				<u>AAR E989012</u>
				<u>AAR E019003</u>
				<u>AAR E979019A</u>
JAMESBU	RY 23-2236-MT		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	<u>AAR E979041A</u>
2" SCREV	/ED END BALL \	/ALVE		
				AAR E979041A
				<u>AAR E989012</u>
JAMESBU	RY 33-2236-TL -	<i> </i>	the same part with pass with even size have have been pass upon pay pay day, day, day, day, day,	AAR E979019A
ELLCON 2	S6BS-FPMP-2			AAR E019003
				AAR E949003

Cars are constructed in accordance with all applicable DOT/TC and AAR requirements. Car body structure meets the requirements of S-286-2002.

	AAR requirements, inc of Interchange and the	William R. Bitting bing conforms to all applicable DOT and cluding Specifications, Regulations, Rules DOT Railroad Safety Appliance
	Standards. SIGNATURE TITLE	Senior Design Engineer
PPROVAL AAR Tank Car Committee	Date Approved DEC 15 2004	ature) on behalf of Tank Car Committee

AP

Page \_ 2\_ of \_ 2\_\_