



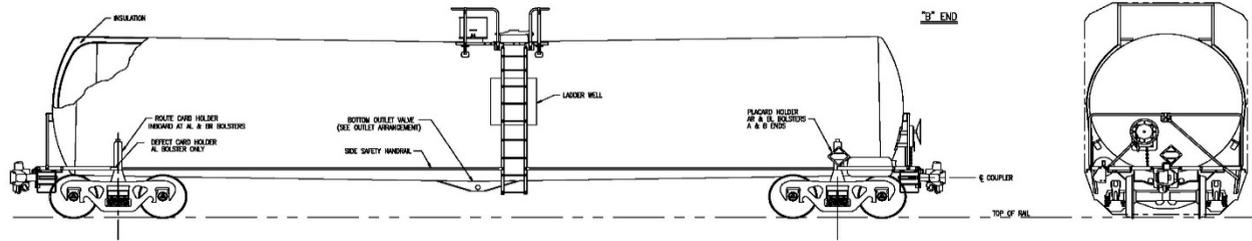
28,371 Gallons Capacity Tank Car

Ref T-283CI-TR7891

T-283CI-RA8932

REPORTING MARKS & QTY: 150 cars

REVISION: 0/5-6-2021 TM Initial Release



COATINGS AND STENCILS			
Surface Prep., Exterior	SSPC-SP6	Paint, Exterior	Black DTM Epoxy
Surface Prep., Interior	Sweep Clean	Lining, Interior	None
Standard Stencils	AAR/DOT Vinyl Decals w/ Yellow Reflector Decals	Customer Stencils	International Chemtrec

WALKWAYS AND PLATFORMS			
Top	Divided CS Galvanized Bar, Grounding Studs, 9 1/2" x 8" w/ Side Ladders	End	Full Width x 11.5" Plank, CS

TOP FITTINGS			
Manway	20" Inside Diameter CS Flued Nozzle w/ 316L SS extension With Reinforcement Pad	Fittings Nozzle	20" Inside Diameter CS Flued Nozzle w/ Bolted CS Cover Plate With Reinforcement Pad

GENERAL		TRUCKS	
Year Built	TBA	Wheels	Class "C" 1W 36", w/ AAR 1B Tread Profile
Car Serial Number - Low	T13124-1	Axles	AAR M-101 Grade "F", 6-1/2" x 9" Std Forge
Car Serial Number - High	T13124-55	Roller Bearings	AAR NFL, Class "K", 6-1/2" x 9" Brenco
Ref Drawing Number		Adapters	6-1/2" x 9", Pennsy Adapters Plus, ASF
Tank Specification	DOT111A100W1	Truck Side Frame:	Gr "B+" Steel to AAR M-203 & M-210, ASF
Stenciled Specification	DOT117R100W1	Truck Bolster:	Gr "B+" Steel to AAR M-202, M-210 & S-305, ASF
Sized For	Crude Oil	Center Plate Liners, Vert/Horiz	1-3/4" x 16" dia net, SST welded/Manganese

Manway Cover	8 Bolt Hinged Steel Casting (TRN-1) w/ Midland Lift assist spring eyebolts secured w/ pins & cotters	Protective Housing	3/4" Wall Housing w/ Flat Lid, reinforcing bars & SRV "Flapper" w/ lift assist
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DIMENSIONS AND WEIGHTS		AIR BRAKES	
Draft Sill Design	Type 24 Stub Sill	Type of Brakes	Body Mounted, Conventional Valve, ABDX
Tank, Tangent to Tangent	48'-9 7/8"	Brake Cylinder Size	10" x 12"
Tank, ID	116 1/4"	Braking Ratio-Loaded	Min 11%, Max 14%
Length over Coupler Pulling Faces	59'-4 1/2"	Braking Ratio-Empty	Min 15%, Max 32%
Truck Centers	45'-10"	Braking Ratio-Handbrake	Min 10%
Tank Slope	0.2181 in/ft	Empty/Load Device	Side Frame Actuated
Head Mat'l and Thickness	7/16" TC128 Gr B	Slack Adjuster	AAR automatic, double acting, Elcon National
		Handbrake	Group "N", Long Release Handle, Bell Crank
Shell Mat'l and Thickness	7/16" TC128 Gr B	Hose Support	Cable Strap, 20406 IRECO

Vacuum Relief	3#, Midland A222-W-NS (full SS)	Discharge Conn.	3" Flg'd by Thr'd Apollo ball valve w/ SS Body, SS Trim, & SS quick connect adapter & cap
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		Stabilizers	Motion Control, ASF
		Truck Springs	D5, 3-11/16" travel, 286K GRL SCT
		Pedestal Roof Liners	None
		Truck Side Bearing	Const Contact Long Travel TCC-III-60-LT, Miner
		Brake Beam	AAR No. 24 Miner
		Brake Beam Wr Plt	Metallic, Miner
		Brake Shoes	AAR 2" Comp, RRF, Tread Conditioning
		Brake Shoe Keys	Forged
		Roller Bearing Retainer Keys	None

Safety Relief	Valve, 75# Kelso JS75XH-316-09-C w/ T&G & no flue or surge baffle Mounted On Fittings Cover Plate	Discharge Pipe	3" Sch 40 304L SS Pipe welded to the underside of the Coverplate w/ SS guide & pads
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DRAFT SYSTEM		BOTTOM FITTINGS	
Couplers	AAR SE60EE, M&T	Outlet Valve	4" Jamesbury 9RET4-36HBXTFO Stm Jktd Ext. Ball Valve w/SS Body, SS Trim & disengagable handle
Yokes	AAR SY40AE, M&T	AUX Valve	None
Coupler Carrier Wear Plate	AAR Manganese steel	Outlet Fittings	4" SS Noz, Salco Alum Cap & 2" CS Plug
Draft Gear	AAR M901E, ASF TwinPak	Outlet Saddle	Trinity Combination Saddle-Sump, CS

Outage Scale	SS Visual Bar w/ 2% cross bar	Air / Vapor Connection	2" Flg'd by Thr'd Apollo ball valve w/ SS Body, SS Trim, & SS quick connect adapter & cap
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		Roller Bearing Retainer Keys	None
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Thermowell	None	Auxilliary Air Valve	1" Flg'd by thr'd Jamesbury ball valve w/ 1" Nitronic 60 plug
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		Effective Capacity, Gallons	27,804
		Commodity	General Service PG I or II
		Curv., Horiz., Uncoupled	180'-0"
		Curv., Horiz., Coupled To Base Car	250'-0"
		Curv., Vert., Uncoupled	850'-0"
		Curv., Vert., Coupled To Base Car	1650'-0"

GASKETS/O-RINGS			
Manway Cover	Teadit RC-510	Safety Relief/O'Ring	Teadit TF-1570 / Viton B
Fittings Nozzle	Teadit TF-1570	Outlet Valve	Teadit TF-1570
Air / Discharge	Teadit TF-1570	Outlet Nozzle / Cap	Teadit TF-1570 / Viton B
Vacuum Relief	Teadit TF-1570 / Viton B	T.well/Sample/Gage	None / None / None

Notes
No MSDS / PG I or II / Car meets C III, Chapter 2, 2.7 requirements.
Cars include side ladder recess wells and inboard wheel wells.
Bottom valve steam jacket is separate from the car. / welded flow arrows

COILS			
Size, Type, #	5" / 8" Half Oval, 12L-2T Exterior, Serpentine	Inlets / Outlets	One 2" Inlet, One 2" Outlet
		Approx. Heating Area	352 Sq. Ft.

INSULATION JACKET			
Insulation Type	4" Fiberglass over 1/2" ceramic fiber (4" total system thickness)	Jacket Head / Shell	1/2" Carbon Steel / 11 Ga. Carbon Steel

Gasket selection is for estimating only. It is the shipper's responsibility to properly package their product.
See attached page 2.

A	B	C	D	E	F	G	H
			28,371 Gallons Capacity Tank Car				
REPORTING MARKS & QTY: 250 cars			REVISION:	0 / 5-6-2021 / TM		Converted cars to DOT117R100W1 Spec	
Notes							
Construction notes and clarifications: <ol style="list-style-type: none"> 1. ASF Twinpack draft system 2. Base car includes the 12L-2T enhanced coil system. (End coil runs beyond the tank bolsters) 3. For manway eyebolts apply jet lube pfpe grease and for fittings apply JetLube 550. 4. Three lifting lugs are located inside the protective housing, not on the fittings coverplate. 5. Blank 6. Black silicone sealant to placards, route card holders handrail and ladder connections. 7. Tank exterior and jacket interior to be coated with Williams Hayward WH 62-6932 NVHT. 8. Jacket flashing all around the coil connections are to have 1" clearance all around. 9. MSDS holder attached to top platform handrail. (route card holder) 10. Flange bolts or studs to be A-193-B7, nuts to be A-194 2H, flatwashers to be 5/16" thick A36. 11. Circumferential tank seams are ground flush for 6" either side of the bottom centerline (for tank drainage). 12. Galvanized grating is not removed for blast or paint. 13. Security eyebolt is attached with a spring pin while all other eyebolts are attached with pins and cotters. 14. Insulation blankets are held in place with a minimum of two straps per roll. 15. Top fittings threads are lubed with high density Teflon tape (Interex Max 3/4" wide density greater than 1.2) 16. LOCPF is less than 61 feet. Top platforms are less than 76" side to side at 12'-6" above top of rail. 17. Ladder location is in the "standard" offset location. 18. Safety relief valve is the 75# Hi Flow Kelso stainless steel valve without the flue. 19. Stainless steel education pipe, guide and tank pads. 20. International Chemtrec decals. (3 phone numbers) 21. OPW quick connect adapter caps (2" & 3") include locking crossover ears and Viton B cap gaskets. 22. Stencil cars with a maximum steam pressure of 100 PSI. 23. Blank 24. There is no surge protector under the Kelso safety relief valve. 25. Single lift assist spring keeps the dead lift below 35 pounds. 26. The additional 1" flanged by threaded air valve will be located in the gauge device position on the coverplate. 27. No coil nipples on BOV but keep on exterior coil inlet/outlet. 28. Add ports on jacket for stub sill & front sill pad/head brace inspection. 				Vendor part number clarifications: <ol style="list-style-type: none"> A. 3" Apollo flg'd by thr'd ball valve 87A-380-AO-TT w/ Dixon SS quick connect adapter G300-F-SS w/ 300DC LSS cap B. 2" Apollo flg'd by thr'd ball valve 87A-388-AO-TT w/ Dixon SS quick connect adapter G200-F-SS w/ 200DC LSS cap C. 1" Jamesbury flg'd by thr'd ball valve 6FRF-3600 w/ 1" SS Nitronic 60 plug & plated chain D. 4" Salco Aluminum bottom outlet cap TE43ALDCA 			