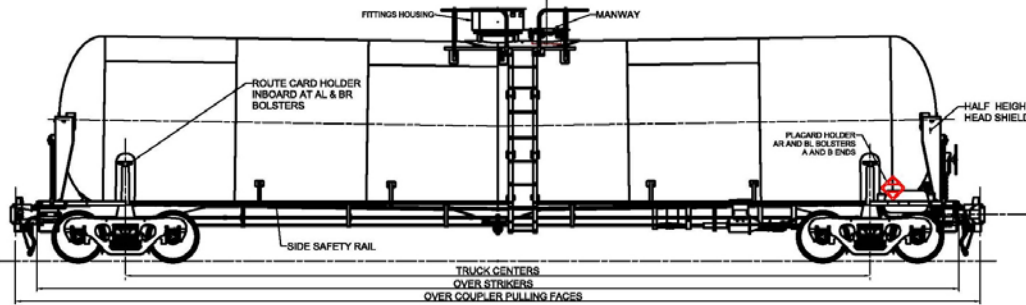


REVISION : 3 / 11-18-2013 / JA see high lighted areas, CO's E, F.


COATINGS			
Surface Prep., Exterior	SSPC-SP6	Paint, Exterior	Black DTM Epoxy
Surface Prep., Interior	Sweep Clean	Lining, Interior	Sherwin Williams Nova Plate
Standard Stencils	AAR / DOT Vinyl Decals & Yellow Reflectors	Customer Stencils	

WALKWAYS AND PLATFORMS			
Top Platform	Divided CS Plank, 9 1/2" x 8" w/ Side Ladders, Grounding studs & Anti-Skid between Boards	End Platforms	Full Width x 11 1/2" Plank, CS

TOP FITTINGS			
Manway Nozzle	20" Inside Diameter SS Insert Style Nozzle w / reinforcing pad	Fittings Nozzle	20" Inside Diameter CS Insert Style Nozzle w/ CS Bolted Cover Plate w / reinforcing pad
Manway Cover	6 Bolt Hinged Steel Casting (TRN-1)	Protective Housing	3/4" Wall Housing w/ Flat Lid, reinforcing bars & SRV "Flapper"
Vacuum Relief	5# Midland: A-212-FR20-5-VB	Discharge Conn.	3" Flanged Full port Ball Valve w/ SS Body, SS Trim, fig'd OPW 3" X 4" quick connect adapter & dust cap
Safety Relief	Valve, 75# Kelso JS75XHS-316-08-C Hi-Flo w/ welded baffle Mounted On the Fittings Cover Plate	Discharge Pipe	3" Sch 40 SS Pipe welded to the underside of the Coverplate w/ SS guide & pads
Outage Scale	SS Visual Bar	Air Vapor Conn.	2" Flanged Full port Ball Valve w/ SS Body, SS Trim, & CS thr'd fig, 2" Civacon quick connect thr'd adapter & dust cap
Gage Device	None		
Sample Line	None		
Thermowell	None		

GENERAL		TRUCKS	
Year Built	TBA	Wheels	Class "C" 1W 36", w/ AAR 1B Tread Profile, Griffin
Car Serial Number - Low	T13043-1	Axles	AAR M-101 Grade "F", 6-1/2" x 9", Std Forge
Car Serial Number - High	T13043-780	Roller Bearings	AAR NFL, Class "K", 6-1/2" x 9", Brenco
Ref Drawing Number	Z-042-2587	Adapters	6-1/2" x 9", Adapter Plus, Green, 10606 ASF
Tank Specification	DOT111A100W1	Truck Side Frame:	Gr "B+" Steel to AAR M-203 & M-210, ASF
Stenciled Specification	DOT111A100W1	Truck Bolster:	Gr "B+" Steel to AAR M-202, M-210 & S-305, ASF
Sized For		Center Plate Liners, Vert/Horiz	1-3/4" x 16" dia net, SST welded/Manganese
DIMENSIONS AND WEIGHTS		STABILIZERS	
Draft Sill Design	Type 24 Stub Sill	Truck Springs	D5, 3-11/16" travel, 286K GRL, SCT
Tank, Tangent to Tangent	48'-9 1/4"	Pedestal Roof Liners	None
Tank, ID	122 1/2"	Truck Side Bearing	Const Contact Long Travel TCC-III-45-LT, Miner
Length over Coupler Pulling Faces	59'-4 1/2"	Brake Beam	AAR No. 24, Miner
Truck Centers	45'-10"	Brake Beam Wr Plt	Metallic, Miner
Tank Slope	0.1762 in/ft	Brake Shoes	AAR 2" Comp, RRF
Head Mat'l and Thickness	1/2" TC128 Gr B	Brake Shoe Keys	Forged
	Normalized	Roller Bearing Retainer Keys	None
Shell Mat'l and Thickness	1/2" TC128 Gr B	AIR BRAKES	
	Normalized	Type of Brakes	Body Mounted, Conventional Valve
Vacuum Rating	5.56 psig	Brake Cylinder Size	10" x 12"
Design Pressure/Test Pressure	500/165 psig	Braking Ratio-Loaded	Min 11%, Max 14%
Clearance Diagram, AAR	"C"	Braking Ratio-Empty	Min 15%, Max 32%
Capacity, Shell Full, Gallons	31,808	Braking Ratio-Handbrake	Min 10%
Light Weight, lbs, est.	74,400	Empty/Load Device	Side Frame Actuated
Maximum Gross Rail Load, lbs	286,000	Slack Adjuster	AAR automatic, double acting
Load Limit @ GRL	211,600	Handbrake	Group "N", Long Release Handle, Bell Crank
Allowable Weight per Gallon @ 2%	6.78 lb/gal	Hose Support	Cable Strap, 20406 IRECO
Outage, 2%, Gallons	636	DRAFT SYSTEM	
Effective Capacity, Gallons @ 2%	31,172	Couplers	AAR SE60EE, M&T
Commodity	Crude Oil PG I or II	Yokes	AAR SY40AE, M&T
Curv., Horiz., Uncoupled	150'-0"	Coupler Carrier Wear Plate	AAR Manganese steel
Curv., Horiz., Coupled To Base Car	250'-0"	Draft Gear	AAR M901E, Miner TF-880
Curv., Vert., Uncoupled	850'-0"		
Curv., Vert., Coupled To Base Car	1650'-0"		

BOTTOM FITTINGS			
Outlet Valve	4" Jamesbury 9RET3-36HBXTFO External Ball Valve w/SS Body, SS Trim, & intermediate handle	Outlet Fittings	4" CS Noz, CS Cap & 2" CS Plug
AUX Valve	None	Outlet Saddle	Trinity Combination Saddle-Sump stainless steel
		Sump	Integral With Saddle

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

COILS			
Size, Type, Qty	None	Inlets / Outlets	None
		Approx Heating Area	None

INSULATION / JACKET			
Insulation Type	None	Jacket Head / Shell	Cars have half height bolt on trapezoidal head shields

NOTES

Petroleum Crude Oil / Flammable Liquid / 173.242 / PG II / Cars to meet C III, Chapter 2, 2.5 & 2.7 requirements.
 1. Tank head and shell test coupons must simulate the in service condition of the material.
 2. GPS w/ bracket supplied.

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