



31,808 Gallons Capacity Tank Car

RFQ 18334

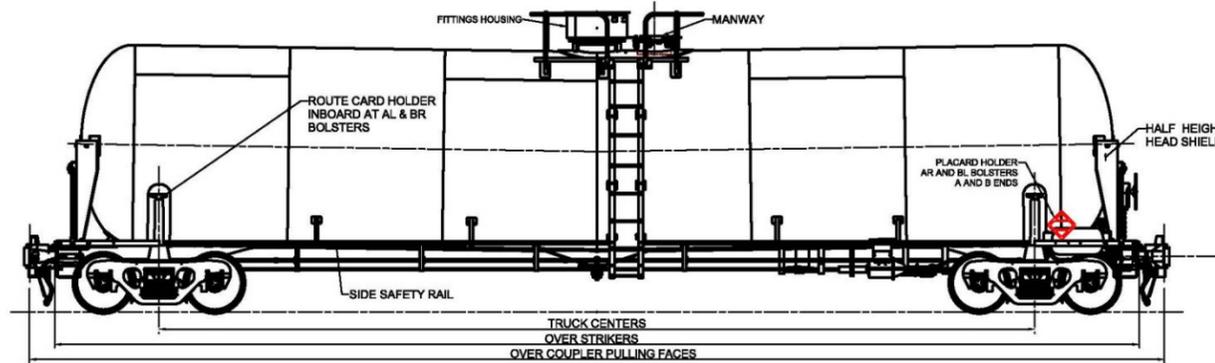
REPORTING MARKS & QTY:

125 cars

REVISION :

4 / 1-23-2014 / PLR

Rev'd per C/O: G,H,I & J. Rev'd Commodity & Reg note.



COATINGS

Surface Prep., Exterior	SSPC-SP6	Paint, Exterior	Black DTM Epoxy (Williams-Hayward)
Surface Prep., Interior	Sweep Clean	Lining, Interior	None
Standard Stencils	AAR / DOT Vinyl Decals & Yellow Reflectors	Customer Stencils	International Chemtrec, Danger decals

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
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TOP FITTINGS

Manway Nozzle	20" Inside Diameter CS 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" w/ Lift Assist
Vacuum Relief	3# Midland A222-W-NS	Discharge Conn.	3" Flanged Full port Ball Valve w/ CS Body, SS Trim, & SS OPW Quick Connect adapter w/ SS Dust Cap
Safety Relief	Valve, 75# Kelso JS75XHS-316-13-C Hi-Flo w/ welded baffle Mounted On the Fittings Cover Plate	Discharge Pipe	3" Sch 40 CS Pipe welded to the underside of the Coverplate w/ CS guide & pads
Outage Scale	SS Visual Bar	Air Vapor Conn.	2" Flanged Full port Ball Valve w/ CS Body, SS Trim, & SS OPW Quick Connect adapter w/ SS Dust Cap
Gage Device	CS Bld. Fig. For future appl (cover plate machining)		
Sample Line	3/4" CS Plug w/ future provision (cover plate machining)		
Thermowell	3/4" CS Plug w/ future provision (cover plate machining)		

BOTTOM FITTINGS

Outlet Valve	4" Jamesbury 9RET3-22HBXTFO External Ball Valve w/CS Body, SS Trim, & intermediate handle	Outlet Fittings	4" CS Fig'd Salco TE4ITUFA quick-connect Adapter w/ 1" CS Plug
AUX Valve	None	Outlet Saddle	Trinity Combination Saddle-Sump
		Sump	Integral With Saddle

GASKETS/O-RINGS

Manway Cover	VSP Cycletight	Safety Relief/O'Ring	Durlon 9000/Viton GFLT
Fittings Nozzle	Durlon 9000	Outlet Valve	Durlon 9000
Air / Discharge	Durlon 9000/Durlon 9000	Outlet Nozzle / Cap	Durlon 9000/Gylon 3545
Vacuum Relief	Durlon 9000/Viton GFLT	T.well/Sample/Gage	None/None/Durlon 9000

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
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GENERAL		TRUCKS	
Year Built	TBA	Wheels	Class "C" 1W 36", w/ AAR 1B Tread Profile, Griffin
Car Serial Number - Low	T13010-1	Axles	AAR M-101 Grade "F", 6-1/2" x 9", Std Forge
Car Serial Number - High	T13010-125	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	Motion Control, ASF
Tank, Tangent to Tangent	48'-9 1/4"	Truck Pedestal Roof Liners	D5, 3-11/16" travel, 286K GRL, SCT
Tank, ID	122 1/2"	Truck Side Bearing	None
Length over Coupler Pulling Faces	59'-4 1/2"	Truck Brake Beam	Const Contact Long Travel TCC-III-45-LT, Miner
Truck Centers	45'-10"	Truck Brake Beam Wr Pit	AAR No. 24, Miner
Tank Slope	0.1762 in/ft	Truck Brake Shoes	Metallic, Miner
Head Mat'l and Thickness	1/2" TC128 Gr B Normalized	Truck Brake Shoe Keys	AAR 2" Comp, RRFP
Shell Mat'l and Thickness	1/2" TC128 Gr B Normalized	Truck Roller Bearing Retainer Keys	Forged
Vacuum Rating	5.56 psig		None
Design Pressure/Test Pressure	500/165 psig	AIR BRAKES	
Clearance Diagram, AAR	"C"	Type of Brakes	Body Mounted, Conventional Valve, NYAB
Capacity, Shell Full, Gallons	31,808	Brake Cylinder Size	10" x 12"
Light Weight, lbs, est.	75,300	Braking Ratio-Loaded	Min 11%, Max 14%
Maximum Gross Rail Load, lbs	286,000	Braking Ratio-Empty	Min 15%, Max 32%
Load Limit @ GRL	210,700	Braking Ratio-Handbrake	Min 10%
Allowable Weight per Gallon @ 2%	6.75 lb/gal	Empty/Load Device	Side Frame Actuated, NYAB
Outage, 2%, Gallons	636	Slack Adjuster	AAR automatic, double acting #790196, NYAB
Effective Capacity, Gallons @ 2%	31,172	Handbrake	Group "N", Long Release Handle, Bell Crank, NYAB
Commodity	Crude Oil PG I, II & III	Hose Support	Cable Strap, 20406 IRECO
Curv., Horiz., Uncoupled	150'-0"	DRAFT SYSTEM	
Curv., Horiz., Coupled To Base Car	250'-0"	Couplers	AAR SE60EE, M&T
Curv., Vert., Uncoupled	850'-0"	Yokes	AAR SY40AE, M&T
Curv., Vert., Coupled To Base Car	1650'-0"	Coupler Carrier Wear Plate	AAR Manganese steel
		Draft Gear	AAR M901E, Miner TF-880

NOTES

Petroleum Crude Oil / Flammable Liquid / 173.242 / PG I, II & III / 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. No GPS and bracket supplied.
 3. Ladders are Centered over Top Platform assembly.

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