

## EQUIPMENT NEEDED FOR PURCHASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
1	111A100W3	20,000	Needs Coils, Insulated, Storage Only	Vegetable Oil	11022
10-20	111A100W3	23,500	Exterior Coils, Insulated	Asphalt	10989
6	111A100W1	24,000+	Non-Coiled, Non-Insulated, Storage Only		10990
ANY	112J340W	33,500	Non-Coiled, Insulated, Top Unload Only	LPG	10734, 11143
50-100	BOX	50'			10906
175	BOX	60'	Insulated Box Cars		11106
10-15	FLAT	53'-54'	Needs 53-54' Between Bulkheads, In Plant Only		11135
75	FLAT	62'	Bulkheads, 100 Ton Trucks		10578
10-15	FLAT	65'+	Bulkheads		10824
70-100	GONDOLA	52'	Flat Bottom, 50 Year Cars		11088
100	GONDOLA	2,400-	Flat Bottom or Rotary Dump	Scrap Metal	10944
20	GONDOLA	3,800- 4,200	100 Ton Trucks		11112
150+	GONDOLA	4,000	100 Ton Trucks, Flat Bottom or Bath Tub		10841
20	HOPPER	2,350	Rapid Discharge	Cement / Lime	10829
15	HOPPER	3,000+	Customer Will Modify	Grain	11103
50-150	HOPPER	4,000	100 Ton Trucks, 36% or More Slope Sheets	Aggregate	11033
10	LO	4,400- 4,800	Trough Hatches, Gravity Gates, Inexpensive, Not For Interchange	Grain	11129
15	LO	4,650	Trough Hatches, Gravity Gates		11049
<b>10-20</b>	<b>LO</b>	<b>4,750</b>	<b>Trough Hatches, Gravity Gates</b>	<b>Corn</b>	<b>11100</b>
12-24	LO	4,750	Trough or Round Hatches, Gravity Gates	Small Aggregate	11042
25	LO	3,000	Trough Hatches, Gravity Gates	Cement	11099
1	LO	5,250	Round Hatches, Pneumatic Gates	Plastic Pellets	11065
20	PD	3,000	14.7 PSI	Cement	10960

### Evolution of the Tank Car

In 1865 a man by the name of Charles P. Hatch who worked for the Empire Transportation Company invented the first rail tank car. Its basic construction was a flat bed with two wooden banded tubes mounted on top. They were capable of loading approximately 3,500 gallons and were used on the Oil Creek and Warren and Franklin Railroads in Pennsylvania for shipping crude oil. Amos Densmore, another inventor, built similar cars around the same time for the Atlantic and Great Western Railroad.

Shortly thereafter, larger wooden tanks were built and mounted horizontally. This gave the tank car the basic look of the cars used in service today. In 1869 Empire Transportation Company designed the first metal tank and mounted it on wooden frames instead of being placed on flat beds. The new metal tank cars improved safety and eliminated the problem of leaking wooden tanks.

In 1888 tank car companies supplied tank cars directly to the oil industry instead of the railroads and the capacity of the cars increased to 10,000 gallons. In 1903 tank car companies developed safety standards in the construction of rail tank cars. There were over 10,000 tank cars in operation running over 260,000 miles of track.

Today, tank car design has come a long way. The original was built to ship petroleum oil. Now with the various designs and sizes, tank cars ship everything from water to liquid petroleum gasses and range from 10,000 gallons to 34,000 gallons.

Items Highlighted In Italics Designate New Listings



## RAILWAY EQUIPMENT LISTING Published By: TRANSMATRIX, INC.

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November 1, 2005

## EQUIPMENT AVAILABLE FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	LAST CONTENTS	REF #
25+	111A100W1	13,500	Top Unloading, Lined, Short Term Only	Sulfuric Acid	10836
20	105A500W	17,300	Long Term	Chlorine	10574
<b>22</b>	<b>111A100W3</b>	<b>17,500</b>	<b>Exterior Coils, Insulated, Plasite 9571 Lining, Top &amp; Bottom Unloading</b>	<b>Caustic Soda</b>	<b>11177</b>
1	111A60ALW	20,000	Exterior Coils, Top & Bottom Unloading, Hazmat Equipped, Short or Long Term	Ammonium Nitrate Solution	11171
<b>1</b>	<b>111A100W1</b>	<b>20,000</b>	<b>Interior Coils, Non-Insulated, 70 Ton Trucks, Top &amp; Bottom Unloading</b>	<b>Tallow</b>	<b>11191</b>
7	105A100W3	20,000	Non-Coiled, Insulated, Top Unloading, Gauging Devices		10695
13	111A100W3	20,000	Exterior Coils, Insulated, Top & Bottom Unloading, Lined	Sodium Bisulfate	11030
5	111A100W3	23,500	Exterior Coils, Top & Bottom Unloading, Short Term Lease	Sodium Nitrate	10918
14	BOX	50	100 Ton Trucks, Plug Doors, Plate C, Nailable Steel Floors		11168
50	BOX	50'	70 Ton Trucks, Single Plug Doors		10942
56	BOX	50'	70 Ton Trucks, 1 Year Full Service Lease		10752
28	FLAT	60'	100 Ton Trucks, Bulkheads, 5 Year Minimum		11148
15	GONDOLA	40 Yd	70 Ton Trucks, Side Dump To Either Side, Air Operated	Aggregate	10402
<b>30</b>	<b>GONDOLA</b>	<b>6,100</b>	<b>Flat Bottom, 7 Year Minimum</b>	<b>Woodchips / C &amp; D</b>	<b>11182</b>
3	HOPPER	2,350	3 Compartment, 286,000 Lbs. Capacity		10729
<b>200+</b>	<b>LO</b>	<b>4,100</b>	<b>Trough Hatches, Gravity Gates, 70 Ton Trucks, Aluminum</b>	<b>Various</b>	<b>11187</b>
12	LO	5,000	Round Hatches, Airslides, Lined	Flour	11133
6	LO	5,750	Trough or Round Hatches, Gravity Gates		11091
1	PD	3,000	40 PSI, 5 Compartments	Cement	11117
2	PD	3,800	15 P.S.I., 1-3 Year Term	Cement	10935

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## EQUIPMENT NEEDED FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
1-2	111A100W2	13,500	Non-Coiled, Insulated, Lined, Top Unloading Only	98% Sulfuric Acid	10982
4-5	111A100W3	16,000	Exterior Coils, Insulated, Top & Bottom Unloading	Sodium Silicate	10995
22	111A100W3	16,500	Exterior Coils, Lined, Insulated, Long Term	Caustic Soda	11151
ANY	111A100W3	16,500	Exterior Coils, Insulated, Lined, Short or Long Term	Caustic Soda	11039
<b>100-150</b>	<b>105A500W</b>	<b>17,300</b>	<b>5-10 Year Lease</b>	<b>Chlorine</b>	<b>11186</b>
8	105J500W	17,500	Must be 1990 Built or Newer, Long Term Lease	Chloro Silane	11081
ANY	105S200W 112S200W	20,000	Will Line, Long Term Lease	Chlorinated Solvents	10903
<b>2</b>	<b>111A100W1</b>	<b>20,000</b>	<b>Non-Coiled, Non-Insulated</b>	<b>Amines</b>	<b>11190</b>
1	111A100W1	20,000	Exterior or Interior Coils, Top & Bottom Unloading	Lignin Liquor	11167
4-6	111A100W1	20,000	Non-Coiled, Non-Insulated, 6-12 Month Lease	Magnesium Chloride	10900
20-30	111A100W1	20,000	Non-Coiled, Non-Insulated, Top & Bottom Unloading, Lined	Calcium Chloride	11169
1-5	111A100W6	20,000	Exterior Coils, Insulated, Stainless Steel	Malic Anhydride	11147
20	111A100W1	20,000-24,000	Non-Coiled, Non-Insulated, Top & Bottom Unloading	Corn Steep / Molasses	11061
1-2	111A100W1	20,000-25,000	2 or 3 Compartments, Exterior or Interior Coils, Top & Bottom Unloading	Hydraulic Oil	11126
10	111A100W3	23,500	Exterior Coils, Insulated, 1 Year Term	Vegetable Oil	11146
2-3	111A100W3	23,500	Exterior Coils, Hazmat Equipped, Long Term	Dicyclopentadiene	10954
<b>6-8</b>	<b>111A100W3</b>	<b>23,500-27,000</b>	<b>Exterior Coils, Insulated, 6-12 Month Lease</b>	<b>Petroleum Wax</b>	<b>11194</b>
25-30	111A100W3	26,000	Exterior Coils, Insulated, Hazmat Equipped, 1 Year Term	Petroleum Oil	10921
25-30	111A100W1	30,000	5 Year Term	Ethyl Alcohol	11089
25-50	111A100W1	30,000	5 Year Term	Ethanol	11009
60	111A100W1	30,000	1 Year Minimum Term	Crude Light Oil	10962
<b>15-40</b>	<b>112J340W</b>	<b>33,500</b>	<b>1-3 Year Term</b>	<b>LPG</b>	<b>11176</b>
10-20	112J340W	33,500	September, 2005 Through March, 2006,	LPG	11094
40-50	112J340W	33,500	5 Year Lease	LPG	10728
ANY	BOX	60'	100 Ton Trucks	Rock Pellets	11016
2-3	BOX	60'	Plate C, Load Dividers, Long Term Lease	Bagged Clay	11015
50	FLAT	50'-70'	Short or Long Term	Rail Track	10896
100	FLAT	89'	100 Ton Trucks, Short or Long Term		11149
10-20	GONDOLA	52'	Rotary or Flat Bottom	Scrap Metal	11052
15-20	GONDOLA	65'	Flat Bottom		11170
190	HOPPER	2,000	Rapid Discharge Gates, 1-5 Year Lease	Limestone	11093
40-80	HOPPER	2,000+	45 Degree Slope, 4 Gates, Long Term Lease	Aggregate & Sand	11012
30-40	HOPPER	6,000+	Needs End Gates	Woodchips	11120
40-60	LO	2,800-3,500	100 Ton Trucks, Round or Trough Hatches, 2 Compartments	Sand	11059
10-20	LO	3,000+	Round Hatches, Gravity Gates	Cement	11121

*Items Highlighted In Italics Designate New Listings*

## EQUIPMENT NEEDED FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
50-90	LO	3,000+	Round Hatches, Gravity Gates		10925
4-5	LO	4,100+	Trough Hatches, Gravity Gates, Short or Long Term	Ruminant Meat & Bone Meal	11152
40-50	LO	4,650	Round Hatches, Gravity Gates	Calcium carbide	10965
<b>ANY</b>	<b>LO</b>	<b>4,750</b>	<b>Trough Hatches, Gravity Gates, Long Term</b>	<b>Ammonium Sulfate</b>	<b>11180</b>
50-100	LO	4,750	Trough Hatches, Gravity Gates, 5 Year Lease	Pebble Lime	11144
2-5	LO	4,750	Trough Hatches, Gravity Gates	Guar Beans	11123
5	LO	5,250	Trough Hatches, Gravity Gates, 1-2 Year Lease	Fish Meal	11090
75	LO	5,750+	Round Hatches, Pneumatic Gates	Plastic Pellets	10919
20-60	PD	3,000	15 PSI, 1 Year Term	Cement	10864
15	PD	3,500+	15 PSI, 3 Year Term	Cement	11047
<b>3</b>	<b>PD</b>	<b>4,000+</b>	<b>15 PSI, 1-5 Year Lease</b>	<b>Silicon Dioxide</b>	<b>11184</b>
40-50	PD	5,000	15 PSI, ACF Built	Fine Limestone	10878
4-8	PD	5,000	15 PSI, 1-3 Year Term	Flour	10834
10	PD	5,200	15 PSI, Food Grade Lining	Wheat Starch	11060

## EQUIPMENT AVAILABLE FOR SALE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	LAST CONTENTS	REF #
50	111A100W2	10,000	Top Unloading, Non-Coiled, Non-Insulated	Latex Paint	10671
15	111A100W1	11,650	Insulated, Sparger System	Titanium Dioxide	11162
34	111A100W2	13,500	Non-Coiled, Non-Insulated, Lined, Top Unloading Only	Sulfuric Acid	11134
11	111A100W1	14,000	Insulated	Clay Slurry	11161
1	111A100W1	20,000	Interior Coils, In-Plant Storage	Various	10808
50	BOX	50'	286,000 Capacity		10908
3	BOX	50'	Plate F, Double Sliding Doors, 1967 & 1970 Built		11098
49	BOX	60'	100 Ton Trucks, Cushioned Underframes, C & E Plate		11138
3	BOX	60'	100 Ton Trucks, Sliding Doors		11083
100	FLAT	50'	With Log Bunkers	Pulpwood	11040
24	GONDOLA	52'	Flat Bottom, In Plant Use Only		11092
59	GONDOLA	6,200	263,000 Capacity, Plate F	Woodchips	11157
9	HOPPER	3,600	Gravity Gates, 100 Ton Trucks, 38 Degree Slope Sheets		10813

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