

## EQUIPMENT NEEDED FOR PURCHASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
30	111A100W2	13,500	Lined	Sulfuric Acid	10929
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
<b>20</b>	<b>GONDOLA</b>	<b>3,800-4,200</b>	<b>100 Ton Trucks</b>		<b>11112</b>
150+	GONDOLA	4,000	100 Ton Trucks, Flat Bottom or Bath Tub		10841
20	HOPPER	2,350	Rapid Discharge	Cement / Lime	10829
<b>15</b>	<b>HOPPER</b>	<b>3,000+</b>	<b>Customer Will Modify</b>	<b>Grain</b>	<b>11103</b>
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
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

### U.S. STANDARD RAILROAD GAUGE Why Is It 4' - 8 1/2" ? - Part II

Last issue we presented an interesting perspective on this topic by Professor Tom O'Hare. Today, we will present a bit more.

Mike Tuciarone replied to Professor Tom O'Hare's comments as follows:

*Fascinating, I showed this to my wife, medieval studies major and horsewoman, who points out that the spacing of wheels on the Roman chariot was like as not dictated by the width of the yoke that attached the chariot to the horse, and the need to keep the wheel ruts well out of the path of the loose earth the hooves are kicking up.*

*Thus, the gauge of the Iron Horse might be in fact derived from the width of the standard Roman warhorse.*

Tim Hill has a slightly different perspective:

*I recall reading many years ago that, when asked to approve the standardization of the US railroad gauge, President Lincoln asked why it was such an odd number. Not satisfied with "gosh, I don't know, I guess 'cause that's the way they do it in England", Lincoln did a little research himself and learned about the Roman chariot ruts. The President didn't see this as sufficient reason for setting such a peculiar standard and proposed a 5'-0" gauge.*

*The beauracracy got it's way.*

An anonymous reply to Mr. Hill:

*Well, the standard gauge was settled a few years after Lincoln's death. The "bureacracy got its way" partly because forcing a change would have required rebuilding the rail-link across the Rockies. Widening the gauge (even by four inches) would have required widening ledges and tunnels that were hard to carve out of the mountains in the first place. As it was, at least one railroad managed to change something like 1,800 miles of track one Sunday.*

*It wasn't the bureacracy, it was the railroads. Before the advent of the standard gauge, freight would be loaded into railroad cars at the factory, then transferred from one car to another every time it crossed from one railway to the next. The standard gauge allowed one car to go from origin to final destination without being unloaded.*

Be looking for Part III..... Coming soon!

Items Highlighted In Italics Designate New Listings



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

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## 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>1</b>	<b>111A60ALW</b>	<b>20,000</b>	<b>Exterior Coils, Top &amp; Bottom Unloading, Hazmat Equipped, Short or Long Term</b>	<b>Ammonium Nitrate Solution</b>	<b>11171</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
30	112J340W	33,690	Three Year Term	Propane	11118
11	105J300W	33,748	Three Year Term	Anhydrous Ammonia	11119
<b>14</b>	<b>BOX</b>	<b>50</b>	<b>100 Ton Trucks, Plug Doors, Plate C, Nailable Steel Floors</b>		<b>11168</b>
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>95</b>	<b>GONDOLA</b>	<b>4,200</b>	<b>Rotary Dump or Rapid Discharge, 286,000 Capacity, Long Term Lease</b>	<b>Coal</b>	<b>11158</b>
45	GONDOLA	6,000+	Most Cars Have End Doors	Woodchips / Debris	11139, 1114C
3	HOPPER	2,350	3 Compartment, 286,000 Lbs. Capacity		10729
<b>100-200</b>	<b>LO</b>	<b>4,750</b>	<b>Trough Hatches, Gravity Gates, Long Term</b>	<b>Grain</b>	<b>11165</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

Items Highlighted In Italics Designate New Listings

## 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
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
ANY	111A60ALW	20,000	Short or Long Term	Ammonium Thiosulfate	10811
<b>1</b>	<b>111A100W1</b>	<b>20,000</b>	<b>Exterior or Interior Coils, Top &amp; Bottom Unloading</b>	<b>Lignin Liquor</b>	<b>11167</b>
4-6	111A100W1	20,000	Non-Coiled, Non-Insulated, 6-12 Month Lease	Magnesium Chloride	10900
<b>20-30</b>	<b>111A100W1</b>	<b>20,000</b>	<b>Non-Coiled, Non-Insulated, Top &amp; Bottom Unloading, Lined</b>	<b>Calcium Chloride</b>	<b>11169</b>
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
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
10	112J340W	33,500	5 Year Lease	Anhydrous Ammonia	10895
10-20	112J340W	33,500	September, 2005 Through March, 2006,	LPG	11094
40-50	112J340W	33,500	5 Year Lease	LPG	10728
1	BOX	50'	Bulkheads, Plug Doors	Bagged Flour	10785
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
<b>15-20</b>	<b>GONDOLA</b>	<b>65'</b>	<b>Flat Bottom</b>		<b>11170</b>
100+	GONDOLA	100 Ton	Coil Cars, 3-5 Year Lease	Steel Coils	10749
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
30-50	LO	4,600-5,250	Round Hatches, Gravity Gates, Will Line For Product Purity	Limestone	10879
<b>50-100</b>	<b>LO</b>	<b>4,750</b>	<b>Trough Hatches, Gravity Gates, 5 Year Lease</b>	<b>Pebble Lime</b>	<b>11144</b>
2-5	LO	4,750	Trough Hatches, Gravity Gates	Guar Beans	11123
50-100	LO	4,750	Trough Hatches, Gravity Gates	Grain	10758
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
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
<b>15</b>	<b>111A100W1</b>	<b>11,650</b>	<b>Insulated, Sparger System</b>	<b>Titanium Dioxide</b>	<b>11162</b>
34	111A100W2	13,500	Non-Coiled, Non-Insulated, Lined, Top Unloading Only	Sulfuric Acid	11134
<b>20</b>	<b>111A100W1</b>	<b>14,000</b>	<b>Insulated</b>	<b>Clay Slurry</b>	<b>11161</b>
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
70	BOX	60'	70 Ton Trucks, Plate B, Nailable Steel Floors	Paper	11024
100	FLAT	50'	With Log Bunkers	Pulpwood	11040
24	GONDOLA	52'	Flat Bottom, In Plant Use Only		11092
<b>59</b>	<b>GONDOLA</b>	<b>6,200</b>	<b>263,000 Capacity, Plate F</b>	<b>Woodchips</b>	<b>11157</b>
80	HOPPER	5,791	Gravity Gates, 70 Ton Trucks, 1978 Built	Woodchips	11122

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