

## EQUIPMENT NEEDED FOR PURCHASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
12	112J400W	12,000-34,000	Storage Only	Propane	10934
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
50-100	BOX	50'			10906
175	BOX	60'	Insulated Box Cars		11106
<b>10-15</b>	<b>FLAT</b>	<b>53'-54'</b>	<b>Needs 53-54' Between Bulkheads, In Plant Only</b>		<b>11135</b>
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
150+	GONDOLA	4,000	100 Ton Trucks, Flat Bottom or Bath Tub		10841
20	HOPPER	2,350	Rapid Discharge	Cement / Lime	10829
50-150	HOPPER	4,000	100 Ton Trucks, 36% or More Slope Sheets	Aggregate	11033
10	LO	2,500	Inexpensive, Storage Only	Coal Coke	11006
<b>10</b>	<b>LO</b>	<b>4,400-4,800</b>	<b>Trough Hatches, Gravity Gates, Inexpensive, Not For Interchange</b>	<b>Grain</b>	<b>11129</b>
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 I

Ever wonder why the United States Standard Railroad Gauge is 4' - 8 1/2" wide? Well, we did! And it prompted a bit of research (at our local public library, the internet). What we did find is interesting, and with most things on the internet, not necessarily accurate. Over the next few issues of "The Inside Track", we will present some of the information we have acquired on this topic, beginning with the information which we found most curious.

The following was originally submitted by Professor Tom O'Hare, Germanic Languages, University of Texas at Austin:

*The U.S. Standard Railroad Gauge (distance between the rails) is 4' 8 1/2" (1.44 m). That's an exceedingly odd number.*

*Why is that gauge used? Because that's the way they built them in England, and the US railroads were built by English ex patriots.*

*Why did the English build 'em like that? Because the first rail lines were built by the same people who built the pre-railroad tramways, and that's the gauge they used.*

*Why did "they" use that gauge then? Because the people who built the tramways used the same jigs and tools as they used for building wagons, which used that wheel spacing.*

*OK! Why did the wagons use that wheel spacing? Well, if they tried to use any other spacing the wagons would break on some of the old, long distance roads, because that's the spacing of the ruts.*

*So who built these old rutted roads? The first long distance roads in Europe were built by Imperial Rome for the benefit of their legions. The roads have been used ever since.*

*And the ruts? The initial ruts, which everone else had to match for fear of breaking their wagons, were first made by Roman war chariots. Since the chariots were made by or for Imperial Rome they were all alike in the matter of wheel spacing (ruts again).*

*Thus we have the answer to the original question. The United States Standard Railroad Gauge of 4' - 8 1/2" derives from the original military specification (MilSpec) for an Imperial Roman army war chariot.*

Be looking for Part II on a future issue of "The Inside Track" which will continue this interesting discussion with excerpts from various other sources.

Items Highlighted In Italics Designate New Listings

# THE INSIDE TRACK

## 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
7	105A100W3	20,000	Non-Coiled, Insulated, Top Unloading, Gauging Devices		10695
<b>1</b>	<b>111A100W1</b>	<b>20,000</b>	<b>Non-Coiled, Non-Insulated, 70 Ton Trucks, Bottom Unloading</b>	<b>Petroleum Oil</b>	<b>11142</b>
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
20	112J340W	33,500	Short Term Only	LPG	11023
30	112J340W	33,690	Three Year Term	Propane	11118
11	105J300W	33,748	Three Year Term	Anhydrous Ammonia	11119
50	BOX	50'	70 Ton Trucks, Single Plug Doors		10942
56	BOX	50'	70 Ton Trucks, 1 Year Full Service Lease		10752
<b>28</b>	<b>FLAT</b>	<b>60'</b>	<b>100 Ton Trucks, Bulkheads, 5 Year Minimum</b>		<b>11148</b>
15	GONDOLA	40 Yd	70 Ton Trucks, Side Dump To Either Side, Air Operated	Aggregate	10402
29	GONDOLA	52'	3'6" to 3'9" Sides		10735
15	GONDOLA	65'	Some Steel & Some Wood & Steel Floors		11028
<b>45</b>	<b>GONDOLA</b>	<b>6,000+</b>	<b>Most Cars Have End Doors</b>	<b>Woodchips / Debris</b>	<b>11139, 11140</b>
3	HOPPER	2,350	3 Compartment, 286,000 Lbs. Capacity		10729
<b>12</b>	<b>LO</b>	<b>5,000</b>	<b>Round Hatches, Airslides, Lined</b>	<b>Flour</b>	<b>11133</b>
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 #
2	111A100W3	10,000	Insulated, Short Term Lease	Propylene Oxide	10792
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
<b>22</b>	<b>111A100W3</b>	<b>16,500</b>	<b>Exterior Coils, Lined, Insulated, Long Term</b>	<b>Caustic Soda</b>	<b>11151</b>
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
4-6	111A100W1	20,000	Non-Coiled, Non-Insulated, 6-12 Month Lease	Magnesium Chloride	10900
5-12	111A100W3	20,000	Exterior Coils, Top & Bottom Unloading	Methyl Esters	10794
<b>1-5</b>	<b>111A100W6</b>	<b>20,000</b>	<b>Exterior Coils, Insulated, Stainless Steel</b>	<b>Malic Anhydride</b>	<b>11147</b>
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
<b>10</b>	<b>111A100W3</b>	<b>23,500</b>	<b>Exterior Coils, Insulated, 1 Year Term</b>	<b>Vegetable Oil</b>	<b>11146</b>
2-3	111A100W3	23,500	Exterior Coils, hazmat Equipped, Long Term	Dicyclopentadiene	10954
100	111A100W3	23,500-	Exterior Coils, Insulated, Short Or Long Term	Polyethylene Wax	10739
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
25	BOX	60'	Bagged Commodity, 100 Ton Trucks	Calcium Carbonate	10542
50	FLAT	50'-70'	Short or Long Term	Rail Track	10896
<b>100</b>	<b>FLAT</b>	<b>89'</b>	<b>100 Ton Trucks, Short or Long Term</b>		<b>11149</b>
10-20	GONDOLA	52'	Rotary or Flat Bottom	Scrap Metal	11052
100+	GONDOLA	100 Ton	Coil Cars, 3-5 Year Lease	Steel Coils	10749
50	GONDOLA	2,400	Will Line For Protection Of Railcar	Contaminated Soil	10660
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

*Items Highlighted In Italics Designate New Listings*

## EQUIPMENT NEEDED FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
10-20	LO	3,000+	Round Hatches, Gravity Gates	Cement	11121
50-90	LO	3,000+	Round Hatches, Gravity Gates		10925
	<b>4-5</b>	<b>4,100+</b>	<b>Trough Hatches, Gravity Gates, Short or Long Term</b>	<b>Ruminant Meat &amp; Bone Meal</b>	<b>11152</b>
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
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>34</b>	<b>111A100W2</b>	<b>13,500</b>	<b>Non-Coiled, Non-Insulated, Lined, Top Unloading Only</b>	<b>Sulfuric Acid</b>	<b>11134</b>
1	111A100W1	20,000	Interior Coils, In-Plant Storage	Various	10808
1		30,000	Storage Tanks Only, Interior Coils, Insulated, Bottom Unloading, 1991 Built	Asphalt	10366
50	BOX	50'	286,000 Capacity		10908
3	BOX	50'	Plate F, Double Sliding Doors, 1967 & 1970 Built		11098
<b>49</b>	<b>BOX</b>	<b>60'</b>	<b>100 Ton Trucks, Cushioned Underframes, C &amp; E Plate</b>		<b>11138</b>
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
9	HOPPER	3,600	100 Ton Trucks, Gravity Gates	Ballast	10813
80	HOPPER	5,791	Gravity Gates, 70 Ton Trucks, 1978 Built	Woodchips	11122

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