

CH. 8

RAILROAD OPERATION

- Average Situation
- Contract Rates
- Paperwork Path (EDI)
- Demurrage

- Bill of Lading
 - Open
 - Order
- Waybill
- Interchange
- Destination



- Switching
 - Intra-plant
 - Intra-terminal
 - Inter-terminal



- Switching charges / Interline Settlements
- Equal Access

- Public Loading Facilities (Team, BIDS, etc.)



- Captive Shortline
- Class and Commodity Rates
- Incentive Rates

CH. 9

**CAR TYPES AND
CARLOADINGS**

- Type Car – Standardization / Flexibility
- Preferred, Protection, Ideal / Practical
- DF – Special Loading Devices – Prevent Damage to Lading



- Many Types of Cars



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- U.S. Car fleet 1996

Type	Total	Class I Railroads	Other Railroads	Car Companies and Shippers
Boxcars:	156,284	97,022	28,363	30,899
<i>Plain Box</i>	39,155	10,941	9,299	18,915
<i>Equipped Box</i>	117,129	86,081	19,064	11,984
Covered Hoppers	350,611	151,583	15,885	183,143
Flatcars	131,840	81,187	6,878	43,775
Refrigerator Cars	31,103	25,478	2,713	2,912
Gondolas	179,046	103,918	15,624	59,504
Hoppers	166,980	105,718	16,087	45,175
Tank Cars	215,482	,985	,024	214,473
Others	9,227	4,974	1,790	2,463
TOTAL	1,240,573	570,865	87,364	582,344

- U.S. Car fleet 2007

Car Type	Total All Owners	Class 1 railroads	Other railroads	Car Companies and Shippers
Boxcars	132,094	74,346	41,197	16,551
Plain Box	20,103	1,211	5,671	13,221
Equipped Box	111,991	173,135	35,526	3,330
Covered Hoppers	393,803	112,773	20,191	260,839
Flatcars	171,455	95,666	22,344	53,445
Gondolas	206,666	100,699	21,435	84,532
Hoppers	159,324	72,131	11,622	75,571
Refrigerator Cars	23,492	17,577	2,895	3,020
Tank Cars	254,778	1,053	38	253,687
Others	4,895	1,170	966	2,759
Total	1,346,507	475,415	120,688	750,404

Car Statistics

Type	Carloadings per Year	Tons Originated	Gross Revenue	AAR Mechanical Designation	Preferred Cars
Coal	7.20 million (23.1%)	804.14 million (42.4%)	\$9.39 billion (20.1%)	HT/GT	Unit-Train bottom-dump hauler and rotary-dump gondola
Non-Metallic Minerals	1.49 million (4.7%)	169.70 million (7.7%)	\$1.29 billion (2.8%)	LO	Small-Cube covered hopper
Chemicals and Allied Products	1.97 million (6.3%)	167.20 million (8.8%)	\$5.51 billion (11.8%)	T	Chemical Tank Car
Farm Products (Grain and Other)	1.51 million (4.9%)	140.44 million (7.4%)	\$3.63 million (7.8%)	RP	Mechanical Refrigerator
Food and Kindred Products	1.49 million (4.8%)	102.19 million (5.4%)	\$3.25 million (7.0%)	RB	Insulated Refrigerator Car
Metallic Ores	662,000 (2.1%)	59.94 million (3.2%)	\$485 million (1.0%)	HMA	Ore Hopper

Type	Carloadings per Year	Tons Originated	Gross Revenue	AAR Mechanical Designation	Preferred Cars
Metals and Products	716,000 (2.3%)	57.85 million (3.0%)	\$1.79 billion (3.8%)	GBSR	Coil Steel Car
Petroleum and Coke	660,000 (2.1%)	55.61 million (2.9%)	\$1.42 billion (3.0%)	HTC (coke), DOT Class 112A (petroleum)	Pressure Tank Car, Coke hopper
Stone, Glass, and Clay Products	603,000 (1.9%)	55.23 million (2.9%)	\$1.51 billion (3.2%)	GB,XL	Gondola (stone), DF boxcar (glass and clay)
Lumber	611,000 (2.0%)	47.60 million (2.5%)	\$1.51 billion (3.2%)	FMS	Center-Beam Bulkhead Flatcar
Waste and Scrap	706,000 (2.3%)	47.35 million (2.5%)	\$1.07 billion (2.3%)	GB	Gondola
Pulp, Paper, and Allied Products	679,000 (2.2%)	38.24 million (2.0%)	\$1.95 billion (4.2%)	XL	Equipped Boxcar
Motor Vehicles	1.79 million (5.8%)	35.59 million (1.9%)	\$3.80 billion (8.1%)	FA	Enclosed Tri-Level Autotrack
Other (except Intermodal)	2.71 million (8.7%)	21.81 million (1.1%)	\$2.37 billion (5.1%)	XM,FM	Assorted

Intermodal Car

- Trailer on Flat Car
- Container on Flat Car
- Automotive Car

