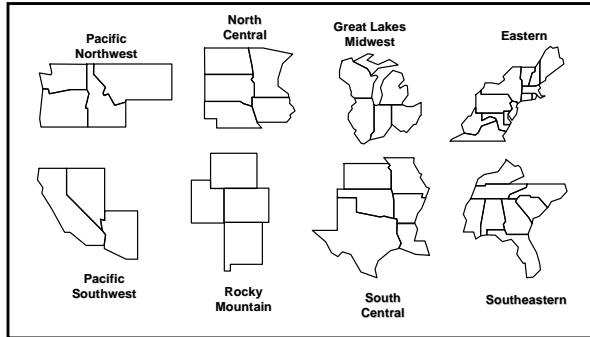


2009 Fleet Benchmarking & Cost Survey Executive Summary

90 US Companies or Divisions Reported Their 2008 Data

Region



Regional Breakdown of 90 Respondents:

22	Eastern
18	Southeastern
8	Great Lakes/ Midwest
13	South Central
5	North Central
6	Rocky Mountain
5	Pacific Northwest
13	Pacific Southwest

Mixer Fleet

		Total #	Median	2008 (Average) Results / Notes
1	Total # of Truck Mixers	14,588	94	2008: 14,609 (82 companies)
2	Average Fleet Age	7.4	7.1	2008: 6.6 years

Breakdown of Truck Mixers by Type

	Total #	% of total	2008 (Average) Results / Notes	
3	# Front Discharge Units	2,487	17.0%	2008: 19 %
4	# Rear Discharge Units	12,101	83.0%	2008: 81 %
5	# All-Wheel Drive Trucks	2,756	18.9%	includes most front discharges + several rears
6	# Mixers Equipped w/ Belt Conveyors	73	0.5%	owned by 13 out of 88 companies
7	# Trailer Mixers	78	0.5%	owned by 6 out of 88 companies

Breakdown of Truck Mixers by Chassis Configuration :

	Total #	% of total	2008 (Average) Results / Notes	
8	2 Axles	6	0.04%	2008: 0.04% of total mixers
9	3 Axles	4,671	32.0%	2008: 20.6% of total mixers
10	4 Axles (booster)	3,608	24.7%	2008: 29.1% of total mixers
11	4 Axles (pusher)	1,886	12.9%	2008: 10.4% of total mixers
12	5 Axles	2,308	15.8%	2008: 16.1% of total mixers
13	6 Axles	1,766	12.1%	2008: 13.7% of total mixers
14	7 Axles	318	2.2%	2008: 2.6% of total mixers

Miscellaneous Fleet Performance Information

	Nat. Average	Median	2008 (Average) Results / Notes	
15	Truck Mixer-to-Mechanic Ratio	13.3	12.9	2008: 13.5 mixers per mechanic
16	Average Annual Mileage per Truck Mixer	15,062	14,281	2008: 15,645 miles
17	Average Annual Engine Hours per Truck Mixer	1,513	1,489	2008: 1,894 engine hours
18	Avg. Haul Distance (miles, one way)	14.2	13.1	2008: 14.1 miles
19	Average Load Size (Yards ³)	7.8	7.81	2008: 8.1 cubic yards
20	Typical Full Load Size (Yards ³)	9.7	10	2008: 9.8 cubic yards

Truck Mixer Diesel Fuel Consumption

			Median	2008 (Average) Results / Notes	
21 Miles per Gallon	Nat. Average	3.38	miles/gal	3.25	2008: 3.47 miles per gallon
22 Gallons per Engine Hour	Nat. Average	2.98	Gal/Eng hr.	2.99	2008: 2.74 gallons per eng. hour
23 Gallons per Cubic Yard	Nat. Average	1.07	Gals/Yd³	1.02	2008: 1.06 gallons per cubic yard
24 Fuel Costs per Cubic Yard	Nat. Average	\$ 3.67	\$/Yd³	\$ 3.59	2008: \$2.80 fuel cost per cu. yd.

Truck Mixer Maintenance Costs

25 Parts Expense per Cubic Yard	Nat. Average	\$ 1.14	\$/Yd³	\$ 1.02	2008: \$1.05 per cu. yd.
26 Shop Expense per Cubic Yard	Nat. Average	\$ 1.53	\$/Yd³	\$ 1.47	2008: \$1.52 per cu. yd.
27 Outside Repair Costs per Cubic Yard	Nat. Average	\$ 0.47	\$/Yd³	\$ 0.30	2008: \$0.42 per cu. yd.
28 Radio Expense	Nat. Average	\$ 0.14	\$/Yd³	\$ 0.08	2008: \$0.17 per cu. yd.
29 Tire Expenses per Cubic Yard	Nat. Average	\$ 0.31	\$/Yd³	\$ 0.30	2008: \$0.31 per cu. yd.
30 <i>Maintenance Cost TOTAL (from questions 25-29)</i>	Nat. Average	\$ 3.58	\$/Yd³	\$ 3.28	2008: \$3.40 per cu. yd.
31 Wrecker Costs (per Cubic Yard) or (\$/Engine Hour)	Nat. Average	\$ 0.03	\$/Yd³	\$ 0.02	2008: \$0.03 per cu. yd.
32 Accident Repairs (per Cubic Yard) or (\$/Engine Hour)	Nat. Average	\$ 0.07	\$/Engine Hour	\$ 0.06	2008: \$0.08 per cu. yd.
33 Truck Wash Cleaning Products Costs (per Cubic Yard) or (\$-per-Vehicle-per-Year)	Nat. Average	\$ 0.07	\$/Yd³	\$ 0.05	2008: \$0.09 per cu. yd.
	Nat. Average	\$ 0.18	\$/Engine Hour	\$ 0.21	2008: \$0.43 per cu. yd.
	Nat. Average	\$ 0.17	\$/Yd³	\$ 0.09	61 respondents; 1st year asked in survey
	Nat. Average	\$ 349.49	\$/Truck/Year	\$ 256.00	21 respondents; values ranged widely

Tire-Related Information

34 Do You Use Retreads on Steer Tires?	90 responses: 7% Yes / 93% No			2008: 9% Yes, 91% No
35 ...if yes, maximum # of recaps per casing	1.7	recaps/casing	1.0	2008: 1.0 recaps per casing
36 Do You Use Retreads on Drive Tires & Lifiable Axles?	90 responses: 58% Yes / 42% No			2008: 93% Yes, 7% No
37 ...if yes, maximum # of recaps per casing	2.3	recaps/casing	2.0	2008: 2.3 recaps per casing
38 Do you Capitalize the Cost of Tires on New Mixers?	87 responses: 48% Yes / 52% No			2008: 55% Yes, 45% No
39 Typical # of Road Calls per Month due to Tire Problems?	2.8	per 100 mixers		2008: 6.5 per 100 truck mixers
40 Typical Time Lost per Tire-related Road Call? (Hours)	1.9	Hours Lost	1.6	2008: 1.9 Hours
41 Avg. Cost of Tire-related Breakdown (<i>Not incl. Tire Cost</i>)?	\$ 175.15	\$/breakdown	\$ 150.00	2008: \$139.39
42 How often is tire pressure checked?	90 responses: Totals & Percentages			(inquiry modified 2009; no 2008 comparison)
	Daily	24	27%	
	Weekly	37	42%	
	Bi-weekly	10	11%	
	Monthly	19	21%	
43 Who checks tire pressure?	90 responses: Totals & Percentages			(inquiry modified 2009; no 2008 comparison)
	Driver	47	53%	
	Mechanic	16	18%	
	Tire Service	27	30%	

Crankcase Drain Interval (truck mixer engine)

44 Basis of PM Interval

			Median	2008 (Average) Results / Notes
89 responses: Totals & Percentages				
Mileage	11	12%		2008: 7%
Engine Hours	69	78%		2008: 71%
Calendar Days	6	7%		2008: 18%
Fuel Consumption	3	3%		2008: 2%
Oil Analysis	0	0%		2008: 0%

Mixer Drums, Drum Chipping, Service Life, Etc.

45 Who Performs Drum Chipping?

87 responses: Totals & Percentages				
Driver	8	9%		2008: 10%
Mechanic/Other	8	9%		2008: 9% (included misc. workers)
Outside Service	71	80%		2008: 58%
Nat. Average	6.7	months	6.0	2008: every 4.8 months
Nat. Average	\$ 185.64	\$/per cleaning	\$ 150.00	(Question not asked in 2008 Survey)
Nat. Average	\$ 403.83	\$/truck per yr.	\$ 350.00	2008: \$410.76

46 How Often are Drums Chipped Out? (Average, in months)

47 Average Drum Chipping Cost (per cleaning)
or per Truck Mixer-per-Year

48 Do you Capitalize the Cost of Replacement Drums?

49 Average Drum Service Life: (Years + 10ths, e.g., 8.5)
Average Drum Service Life: (Cubic Yards)

90 responses: 99% Yes / 1% No				
Nat. Average	6.8	Years	6.5	2008: 5.7 years
Nat. Average	36,232	Yd ³	35,000	2008: 39,052 cubic yards
Total #	1,758	# Loaders		2008: 1,537 (from 82 companies)
Average	9.9	Years	9.0	2008: 9.0 years
69 responses: 39% Yes / 61% No				2008: 43% Yes, 57% No

Front End Loaders

50 Total # of Front-end Loaders

51 Average Loader Age (Years)

52 Do you Capitalize Loader Engine Rebuilds/Overhauls?

Front End Loader Maintenance Costs

53 Parts Expense (per Cubic Yard)
or (\$/Engine Hour)

54 Shop Expense (per Cubic Yard)
or (\$/Engine Hour)

55 Outside Repair Costs (per Cubic Yard)
or (\$/Engine Hour)

56 Tire Expense (per Cubic Yard)
or (\$/Engine Hour)

57 TOTAL - per Cubic Yard (from questions 53 - 56),
TOTAL - per Engine Hour (from questions 53 - 56)

Average	\$ 0.13	\$/Yd ³	\$ 0.09	2008: \$0.20 per cu. yd.
Average	\$ 3.93	\$/Eng. Hr.	\$ 3.38	2008: \$4.81 per eng. Hour
Average	\$ 0.24	\$/Yd ³	\$ 0.08	2008: \$0.25 per cu. yd.
Average	\$ 4.18	\$/Eng. Hr.	\$ 3.84	2008: \$4.13 per eng. hour
Average	\$ 0.10	\$/Yd ³	\$ 0.06	2008: \$0.36 per cu. yd.
Average	\$ 3.01	\$/Eng. Hr.	\$ 2.52	2008: \$3.35 per eng. hour
Average	\$ 0.07	\$/Yd ³	\$ 0.04	2008: \$0.09 per cu. yd.
Average	\$ 1.81	\$/Eng. Hr.	\$ 2.52	2008: \$2.04 per eng. hour
Average	\$ 0.54	\$/Yd ³	\$ 0.22	2008: \$0.51 per cu. yd.
Average	\$ 12.93	\$/Eng. Hr.	\$ 11.19	2008: \$13.40 per eng. hour

Loader Diesel Fuel Consumption

58 Gallons per Engine hour

59 Gallons per Cubic Yard

60 Loader Fuel Costs per Cubic Yard

Average	3.83	Gal/Eng Hr.		55 respondents; 1st year asked in survey
Average	0.47	Gals/Yd ³		54 respondents; 1st year asked in survey
Average	\$ 0.43	\$/Yd ³		62 respondents; 1st year asked in survey

Additional Benchmarking Items

- 61** Driver Availability % (Available Drivers/Total Drivers)
- 62** Fleet Availability % (Available Mixers / Total Mixers)
- 63** Fleet Utilization % (Available Drivers/ Available Mixers)
- 64** Cubic Yards Delivered per Truck Mixer
- 65** Dispatch Efficiency (Drivers Hr. - Standby Hr./Drivers Hr.)
- 66** Number of Rollover Incidents in 2008 (on or off road)
- 67** Number of Truck Mixer Backing Accidents in 2008
- 68** Does Fleet include any Volumetric Mixers?
- 69** If Yes, How Many Volumetric Mixers?
- 70** If Yes, how Many cu. yd. per Volumetric Mixer per Year

			Median	2008 (Average) Results / Notes
Average	91.3%	% Annually	94.0%	2008: 91.2%
Average	92.8%	% Annually	95.0%	2008: 92.9%
Average	82.8%	% Annually	85.0%	2008: 86.0%
Average	4,376	Yd ³ /Truck/Year	4,110	2008: 5,288 (20.8% reduction)
Average	77.0%	% Annually	80.0%	2008: 76.7%
Average	0.6	per 100 mixers		2008: 0.9 per 100 truck mixers
Average	3.3	per 100 mixers		2008: 5.4 per 100 truck mixers
63 responses: 1 Yes / 61 No				2008: 2 Companies had V-Mixers
Total #	7	# Volumetrics		2008: 15 Volumetric Mixers (2 cos.)
Average	753	Yd ³ /Year		