



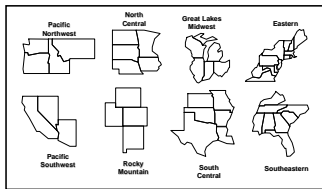
2008 NRMCA FLEET MAINTENANCE BENCHMARKING AND COST SURVEY

Executive Summary - August 2008
 Calendar Year 2007 Final Survey Data in Blue

NOTES ON THIS REPORT: Ready mixed concrete industry fleet managers from around the country anonymously submitted data for the 10th Annual Fleet Benchmarking Survey this spring. This brief report shows compiled survey data on an abbreviated version of the survey form to provide key fleet benchmarking totals and averages in an easy-to-read format. A longer report on the survey, including tables, charts and narrative explaining various aspects of the data, will be featured in an upcoming edition of NRMCA's *InFocus* Magazine.

The NRMCA Fleet Benchmarking Survey form for 2009 (reporting 2008 data) will be available in December 2008. Surveys will be due in April of 2009. For further information, go to the OES page of NRMCA's Website, www.nrmca.org or contact Greg Vickers, gvickers@nrmca.org or via phone at (240) 485-1136.

82 Companies/Divisions Reported
 Avg. Fleet Size of Respondents: **178 truck mixers**



Region

A. Eastern	19	E. North Central	4
B. Southeastern	12	F. Rocky Mountains	3
C. Great Lakes/Midwest	13	G. Pacific Northwest	5
D. South Central	10	H. Pacific Southwest	15

Mixer Fleet

Total # of units reported

1. Total # of Truck Mixers	14,609
2. Average Age	6.1 (years)
3. # Front Discharge Units	2,774 (19%)
4. # Rear Discharge Units	11,835 (81%)
5. # All-Wheel Drive Truck Mixers	2,913 (front & rear)
6. # Concrete Conveyor-Equipped	54
7. # Trailer Mixers	76

Chassis Configuration: # of (straight truck) mixers with:

Total # of units reported

8. 2 Axles	6
9. 3 axles	3,014
10. 4 Axles (booster or tuckaway)	4,259
11. 4 Axles (pusher)	1,545
12. 5 Axles	2,352
13. 6 Axles	2,008
14. 7 Axles	377

Miscellaneous Truck Mixer Performance Information

Average, per truck mixer

15. Average Annual Mileage	17,755
16. Average Annual Engine Hours	1,974
17. Avg. Haul Distance (miles, one way)	14.1
18. Average Load Size (payload in cubic yards)	8.1
19. Typical Full Load Size (cubic yards)	9.8

Diesel Fuel Consumption:

Average

20. Miles per gallon	3.4
21. Gallons per Engine hour	2.8
22. Gallons per Cubic Yard	1.06
23. Fuel Costs per Cubic Yard	\$ 2.80

Truck Mixer Maintenance Costs:

Average

24. Parts Expense	\$1.07 per Cubic Yard
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25. Shop Expense	\$1.55 per Cubic Yard
26. Outside Repairs	\$0.42 per Cubic Yard
(parts and labor for repairs to equipment performed by outside parties)	
27. Radio Expense	\$0.17 per Cubic Yard
28. Tires & Tubes	\$0.31 per Cubic Yard
(Includes all tires plus repairs, mounting and other related costs)	
29. TOTAL (from #s 24-28)	\$3.52 per Cubic Yard
30. Wrecker Costs	\$0.03 per Cubic Yard \$0.08 per Eng. Hr.
31. Accident Repairs	\$0.09 per Cubic Yard \$0.43 per Eng. Hr.

Tire-Related Information

Retreads: Does your company use retreads for:

32. Steer tires:	7 (9%) Yes 70 (91%) No (<i>5 did not respond</i>)
33. if yes, max. # of recaps per casing	1 (<i>only 4 reported</i>)
34. Drive tires & liftable axles:	76 (93%) Yes 6 (7%) No
35. if yes, max. # of recaps per tire	2.3 (avg. of 73 responses)
36. Do you capitalize tire cost on new mixers?	48 Yes 33 No
37. How many road calls per month does your fleet typically incur due to tire problems?	13.5 (avg. of 70 responses)
38. Avg. time lost per tire-related road call?	1.9 hours (avg. of 54 responses)
39. What is the avg. cost of a tire-related breakdown? (<i>not including tire replacement cost</i>)?	\$139.39 (avg. of 57 responses)
40. How often is tire pressure checked?	20 daily 18 weekly 27 every other week 14 monthly
41. Who checks tire pressure?	22 Driver 22 Mechanic 28 Driver/Mechanic; 7 Vendor 2 Mechanic/Vendor

Crankcase Drain Interval (*describe basis for drain interval*)

42. PM performed based on:	Engine Hours 58 (71%)
	Calendar Days 15 (18%)
	Mileage 6 (7%)
	Fuel Consumption 2 (2%)

Mechanic/Mixer Ratio (*best estimate if mechanics work on mixer fleet and other equipment*)

43. # Mechanics/ #Truck Mixers	1 mechanic per 13.5 mixers
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Mixer Drums/Drum Service Life

44. Who does your drum chipping? (based on 74 responses)
78% (58) outside service
14% (10) driver
5% (4) maintenance staff/mechanic
4% (3) combination
45. On average, how often are drums chipped?
6.1 months (average, based on 70 responses)
46. Drum Chipping Costs ;
\$397.93 Average per truck/ year
\$41,402 Avg. per company/yr. (based on 41 responses)
47. Do you capitalize the cost of replacement drums?
30 Yes 48 No
48. Average Drum/Blade Service Life:
5.7 Years 39,052 Cubic Yards

Front End Loaders

49. Total # of Loaders reported for 2007 1,537
50. Average Age 9.0 years
51. Do you capitalize loader engine rebuild or overhauls?
32 Yes 43 No

Loader Maintenance Costs

52. Parts Expense \$0.20 per Cubic Yard \$4.81 per Eng. Hr.
53. Shop Expense \$0.25 per Cubic Yard \$4.03 per Eng. Hr.
(all costs charged to loader repair and maintenance, including internal labor and support costs.)
54. Outside Repairs \$0.34 per Cubic Yard \$2.97 per Eng. Hr.
(parts and labor for repairs performed by outside parties)

55. Loader Tires & Tubes

- \$0.31 per Cubic Yard \$1.90 per Eng. Hr.
(Includes new, used and recapped tires plus mounting, etc.)
56. TOTAL Loader Maintenance Cost (from questions 51-54)
\$0.51 per Cubic Yard \$12.69 per Eng. Hr.

Additional Mixer Benchmarking Items

57. Driver Availability % 91.2% Annually
(Available Drivers/Total Drivers)
58. Fleet Availability % 92.9% Annually
(Available Mixers / Total Mixers)
59. Fleet Utilization % 86.0% Annually
(Available Drivers/ Available Mixers)
60. Cubic Yards Delivered per truck Avg. 5,288 Annually
61. Dispatch Efficiency 76.7% Annually
(Drivers Hours Worked - Standby Hours)/Drivers Hours Worked
62. Number of Rollover incidents in 2007 103 total reported
(Note: 14,609 mixers/103 rollovers = 0.89 rollovers per 100 truck mixers per year occurred)
63. Number of Backing Accidents in 2007 798 total reported
(Note: 66 companies representing 11,055 truck mixers reported backing accidents; based on this 7.2 backing accidents per 100 truck mixers per year occurred)
64. Does your fleet include any Volumetric Mixers? 2 Yes
65. If so, How many? 17 total reported