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# MOTOR TRANSPORT TRAFFIC STATISTICS

PROVINCE OF QUEBEC

1957

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## TABLE OF CONTENTS

	Page
Chart 1. Truck Registrations by Type of Operation .....	4
Chart 2. Net Ton Miles by Type of Operation .....	4
Introduction .....	5
<b>Section I. Traffic Performed by Quebec Registered Trucks Inside and Outside the Province, January 1 - December 31, 1957.</b>	
Table 1. All Trucks by Type of Operation .....	7
Table 2. All Trucks by Gross Vehicle Weight Groups .....	7
Table 3. For Hire Trucks by Gross Vehicle Weight Groups .....	8
Table 4. Private Intercity Trucks by Gross Vehicle Weight Groups .....	8
<b>Section II. Traffic Performed by Quebec Registered Trucks Within the Province, January 1 - December 31, 1957.</b>	
Table 1. All Trucks by Type of Operation .....	9
Table 2. All Trucks by Gross Vehicle Weight Groups .....	9
Table 3. For Hire Trucks by Gross Vehicle Weight Groups .....	10
Table 4. Private Intercity Trucks by Gross Vehicle Weight Groups .....	10
Table 5. Private Urban Trucks by Gross Vehicle Weight Groups .....	11
Table 6. Private Farm Trucks by Gross Vehicle Weight Groups .....	11
Table 7. Selected Statistics of Intercity Traffic by Gross Vehicle Weight Groups .....	12
<b>Section III. Intraprovincial Traffic Performed by Quebec Registered Trucks, January 1 - December 31, 1957.</b>	
Table 1. Selected Statistics by Gross Vehicle Weight Groups .....	12
Table 2. Selected Statistics by Commodity Groups .....	13
<b>Section IV. Interprovincial and International Traffic Performed by Quebec Registered Trucks, January 1 - December 31, 1957.</b>	
Table 1. Tons of Goods Carried .....	13
Table 2. Selected Statistics by Gross Vehicle Weight Groups .....	14
Table 3. Selected Statistics by Commodity Groups .....	14
Appendix: Sampling Results .....	15

PROVINCE OF QUEBEC  
JANUARY 1-DECEMBER 31, 1957

CHART - 1 TRUCK REGISTRATIONS BY TYPE OF OPERATION

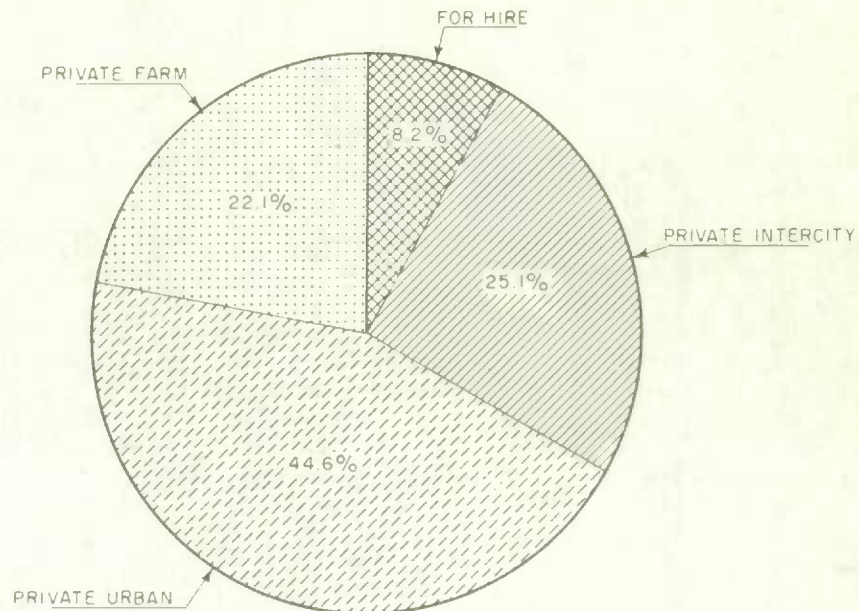
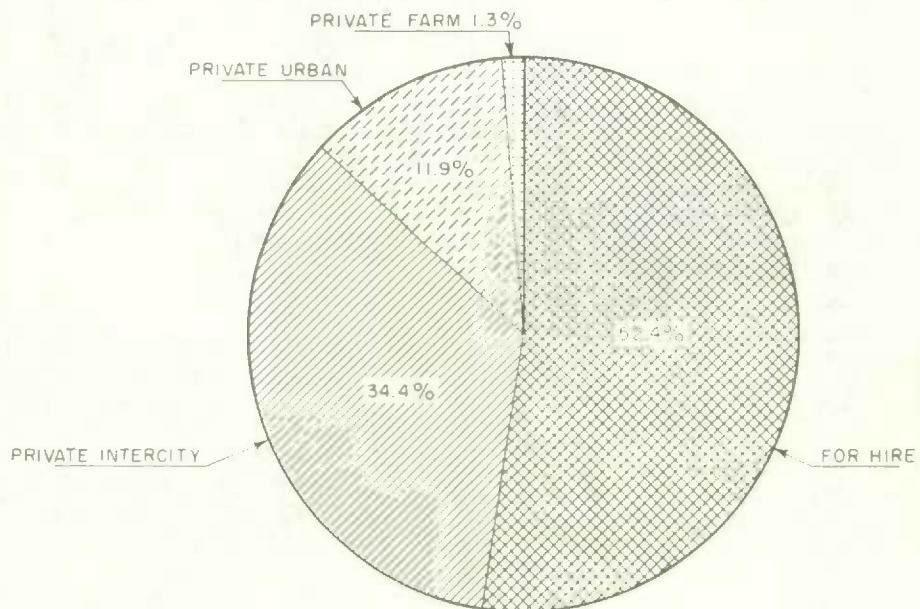


CHART - 2 NET TON MILES BY TYPE OF OPERATION





# INTRODUCTION

## Methods followed in Survey

The 1957 annual survey of motor transport traffic in the Province of Quebec is based upon a sample of approximately 12 per cent of trucks registered in the province. To allow for seasonal variations in traffic and to ensure that the selected vehicles represented current registrations in force, the survey was conducted in four quarterly segments with approximately one-fourth of the total sample selected each quarter. Vehicles selected were coded so that a particular vehicle would not be chosen more than once during each licence year. Each quarterly segment of the survey was conducted for a seven day period, Sunday through Saturday.

All trucks registered in the province are included with the following exceptions: (a) those not engaged in transportation services; and (b) military and other government owned vehicles. Trailers as such were excluded from the sample, but details of tractor-trailer combinations were obtained by including the power units or tractors in the survey.

Vehicles in the sample are stratified by function or type of operation and by gross vehicle weight groups. The four functional categories used are: for-hire, private intercity, private urban and private farm. For-hire trucks are those operated for compensation or gain anywhere in the province according to licence; private intercity vehicles are those owned and operated by firms and individuals on intercity routes to transport their own goods; private urban vehicles are those which are operated predominantly within urban or metropolitan areas; and private farm trucks are those operated by farmers primarily to transport farm produce and supplies.

In Quebec, trucks operated for compensation as contract or common carriers in intercity service or within a specified locality and a radius of 5 miles from the boundary thereof, are required to obtain an "L" licence. Vehicles owned by farmers and used in connection with their own farm oper-

ations are classified as farm vehicles and issued with an "N" licence. All privately owned vehicles engaged in intercity and/or urban operations are issued with an "F" licence. Vehicles in the sample, therefore, were classified into the four functional categories on the following basis:

- For-hire            - "L" licensed vehicles.
- Private-intercity - "F" licensed vehicles operated predominantly outside urban areas.
- Private-urban     - "F" licensed vehicles operated predominantly within urban areas.
- Private-farm       - "N" licensed vehicles.

Some "F" licensed vehicles are operated for compensation but were not included in the for-hire category. The number of such vehicles was not known and a reliable estimate was not obtained on the basis of replies to the survey questionnaire. As a result, the data shown throughout this report as "For-hire" is understated and that for "Private intercity" and "Private urban" is overstated by the extent of these for-hire vehicles with "F" licences.

Since Quebec licenses motor vehicles on a tare weight basis it was necessary to estimate equivalent gross vehicle weights to provide comparability with other annual provincial reports. For each truck in the sample the gross vehicle weight was estimated from the recorded tare weight and either the estimated carrying capacity or the weight of the heaviest load carried. The gross vehicle weight of each tractor-trailer combination was estimated from the tare weight of the tractor, the estimated tare weight of the trailer plus the weight of the heaviest load carried. It is emphasized that this method provides only approximately equivalent gross vehicle weights and therefore exact provincial comparability of the weight group classification cannot be assured.

## Expansion of Survey Results

The distribution of sample vehicles by gross vehicle weight groups and by function was used to provide population estimates as at the time of the sample selection. Sample results were then expanded to represent the operations of all trucks registered in the province by multiplying the sample results by the inverse ratio of the sample to the population and by the ratio of three months to one week.

The expanded data for each of the four quarterly segments were added together to obtain annual provincial estimates. Yearly operating averages such as average yearly mileage were calculated from the average number of vehicles registered during the twelve month period. All other operating ratios were obtained from the twelve month aggregates.

## Response

During the year survey questionnaires were sent to the owners or operators of 17,060 motor vehicles. Of this number 8,388 were returned completed and 3,920 vehicles were reported not used

during the survey week. In addition 3,025 questionnaires were returned with insufficient information and were therefore unusable. Non response to the survey totalled 1,727 or 10.1 per cent.

## Review of Survey Results

Excluding vehicles that do not perform transportation services, the average number of trucks registered in Quebec during the year was 147,075. Of these 12,081 or 8.2 per cent were common or for-hire carriers; 36,895 or 25.1 per cent were private intercity vehicles; 65,564 or 44.6 per cent were private trucks operating predominantly within urban areas; and 32,535 or 22.1 per cent were private farm trucks.

In the tables presented, blanks appear in a number of weight classifications where no vehicles were chosen in any of the quarterly sample selections. It does not follow that there are no vehicles in the province belonging to these classifications.

### Section 1: Traffic Inside and Outside the Province

Section 1 contains estimates of total traffic performed by all Quebec registered trucks both inside and outside the province.

From the data presented in this section it may be observed that although for-hire vehicles were only 8.2 per cent of all trucks registered in Quebec, they accounted for 52.4 per cent of the total net ton miles performed during 1957. This results not only from the comparatively high average yearly mileage of for-hire trucks operating inside and outside of Quebec (21,500 as opposed to an average of 9,100 miles for all trucks) but also from the heavier average load carried (8.4 tons as compared with an average of 4.2 tons for all trucks). The heavier loads carried by for-hire trucks is to be expected since, as revealed in the appendix, nearly one-third of these vehicles have a gross vehicle weight of over 15 tons whereas only six per cent of all other classes combined are in this upper weight group. The predominance of heavier vehicles in the for-hire class also explains the low miles per gallon of gasoline ratio of 6.7 as compared with a ratio of 9.6 for all vehicles.

### Section 2: Traffic Within the Province

This section presents estimates of traffic performed by Quebec registered trucks entirely inside the province excluding the "outside the province" portion of interprovincial and inter-

national traffic as well as a small amount of traffic performed entirely outside the province. Comparing the data presented in Section 1 and Section 2, it is apparent that for-hire vehicles accumulated about 40 per cent and private intercity about 7 per cent of their total net ton miles outside of Quebec.

### Section 3: Intraprovincial Traffic

This section includes estimates of for-hire and private intercity operations originating and terminating entirely inside the boundaries of Quebec. It is significant to note that vehicles of over 15 tons accounted for 78.4 per cent of the total net ton miles performed by for-hire trucks and 58.0 per cent of the total performed by private intercity trucks in intraprovincial traffic. Of the total net ton miles performed by both for-hire and private intercity trucks, manufactured products accounted for 41.3 per cent.

### Section 4: Interprovincial and International Traffic

Statistics of traffic performed by for-hire and private intercity trucks between Quebec and other provinces and the United States are included in this section. However, these interprovincial and international tables exclude traffic performed by Quebec registered road tractors which deliver their trailers within the province to border points for transfer to other tractors which, in turn, transport them through an adjoining province or state. On the present basis of sampling motor transport traffic, comparatively few Quebec registered trucks engaging in interprovincial and international traffic are included in these surveys and as a result wholly reliable estimates of such traffic have not been obtained. Hence the data in this section of the report should be used with considerable caution.

These estimates indicate with some reasonableness, however, that well over four-fifths of the total tons of goods carried by Quebec registered trucks in interprovincial and international traffic was with Ontario; and, that over two-fifths of the total net ton miles performed and about one-third of the revenue earned by for-hire vehicles was in interprovincial and international operations.



**SECTION 1. TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS INSIDE AND OUTSIDE THE PROVINCE,  
JANUARY 1 - DECEMBER 31, 1957**

**TABLE 1. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	259,409	479,020	460,635	132,321	1,331,885
Average yearly mileage per truck .....		21,500	13,000	7,000	4,109	9,100
Average distance each ton was carried .....		57.5	23.8	9.5	16.4	27.2
Percentage of total mileage travelled empty .....		22.9	46.8	39.5	69.2	41.9
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	30,847	50,962	40,808	9,426	132,043
Miles per gallon of gasoline .....		6.7	9.2	11.2	14.1	9.6
Total gallons of diesel oil consumed .....	'000	3,245	1,829	738	—	10,862
Miles per gallon of diesel oil .....		6.4	6.1	6.0	—	6.3
Total gallons of other fuel consumed .....	'000	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	29,350	46,422	40,232	2,424	118,428
Average weight carried <sup>1</sup> .....	ton	8.4	4.3	1.4	1.0	4.2
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	1,686,934	1,106,833	383,840	39,868	3,217,480
Average net ton miles per truck .....		139,600	30,000	5,900	1,200	21,900
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	2,885,396	2,699,118	1,230,812	172,190	6,987,516
Average capacity ton miles per truck .....		238,800	73,200	18,800	5,300	47,500
Percentage of capacity utilized .....		58.5	41.0	31.2	23.2	46.0
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	3,210,240	2,736,426	1,607,373	263,757	7,837,796
Average gross ton miles per truck .....		265,700	74,200	24,500	8,700	53,300
<b>Revenue:</b>						
Total revenue .....	\$'000	135,170	—	—	—	—
Revenue per ton mile .....	¢	8.0	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	52.1	—	—	—	—
Average revenue per truck .....	\$	11,200	—	—	—	—

**TABLE 2. All Trucks by Gross Vehicle Weight Groups**

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
<b>Mileage:</b>							
Total mileage travelled ..... '000	256,917	451,227	109,291	86,418	133,235	294,797	1,331,885
Average yearly mileage per truck .....	6,200	7,500	7,800	10,000	12,600	24,300	9,100
Average distance each ton was carried .....	13.9	9.9	17.8	19.9	19.4	36.4	27.2
Percentage of total mileage travelled empty .....	62.3	43.5	30.6	30.1	36.6	31.5	41.9
<b>Fuel:</b>							
Total gallons of gasoline consumed ..... '000	16,721	34,948	11,237	10,545	18,736	39,356	132,043
Miles per gallon of gasoline .....	15.4	12.9	9.7	8.1	7.1	5.7	9.6
Total gallons of diesel oil consumed ..... '000	—	—	85	96	—	10,681	10,862
Miles per gallon of diesel oil .....	—	—	9.2	8.8	—	6.2	6.3
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried ..... '000	1,995	13,664	9,382	9,497	21,333	62,557	118,428
Average weight carried <sup>1</sup> ..... ton	0.4	0.5	2.2	3.1	4.9	11.3	4.2
<b>Net ton miles:</b>							
Total net ton miles performed ..... '000	37,765	134,827	167,308	188,785	413,961	2,274,834	3,217,480
Average net ton miles per truck .....	900	2,200	11,900	21,800	39,000	187,300	21,900
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> ..... '000	233,378	569,202	334,848	451,491	1,019,795	4,328,802	6,987,516
Average capacity ton miles per truck .....	5,600	9,400	27,300	52,200	96,100	358,500	47,500
Percentage of capacity utilized .....	16.2	23.7	43.5	41.8	40.6	52.6	46.0
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> ..... '000	441,208	1,047,340	525,699	522,553	991,077	4,309,919	7,837,796
Average gross ton miles per truck .....	10,700	17,400	37,300	60,400	93,400	354,900	53,300

TABLE 3. For Hire Trucks by Gross Vehicle weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
<b>Mileage:</b>							
Total mileage travelled .....	1,369	22,718	25,294	25,317	37,919	146,792	259,409
Average yearly mileage per truck .....	5,300	12,600	11,500	14,700	16,700	33,100	21,500
Average distance each ton was carried .....	13.7	21.9	21.5	25.6	21.9	30.6	57.5
Percentage of total mileage travelled empty .....	24.0	28.3	20.9	22.5	32.6	19.9	22.9
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	94	1,898	2,731	3,142	5,321	17,661	30,847
Miles per gallon of gasoline .....	14.6	12.0	9.3	7.8	7.1	5.4	6.7
Total gallons of diesel oil consumed .....	—	—	—	96	—	8,149	8,245
Miles per gallon of diesel oil .....	—	—	—	8.8	—	6.3	6.4
Total gallons of other fuel consumed .....	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	51	645	2,348	2,612	6,052	17,642	29,350
Average weight carried <sup>1</sup> .....	0.7	0.9	2.5	3.4	5.2	12.1	8.4
<b>Net ton miles:</b>							
Total net ton miles performed .....	704	14,134	50,505	66,895	132,669	1,422,027	1,686,934
Average net ton miles per truck .....	3,000	7,800	23,000	38,700	58,300	369,300	139,600
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	1,302	36,663	92,283	132,336	290,714	2,332,098	2,885,396
Average capacity ton miles per truck .....	5,600	20,400	42,100	76,600	127,800	605,600	238,800
Percentage of capacity utilized .....	54.0	38.6	54.7	50.5	45.6	61.0	58.5
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	2,878	64,848	133,874	166,784	295,971	2,545,885	3,210,240
Average gross ton miles per truck .....	12,300	36,000	61,000	96,500	130,200	661,100	265,700
<b>Revenue:</b>							
Total revenue .....	353	6,029	9,896	9,199	15,636	94,057	135,170
Revenue per ton mile .....	50.1	42.7	19.6	13.8	11.8	6.6	8.0
Revenue per mile (total mileage travelled) .....	25.8	26.5	39.1	36.3	41.2	64.1	52.1
Average revenue per truck .....	1,500	3,300	4,500	5,300	6,900	24,400	11,200

TABLE 4. Private Intercity Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
<b>Mileage:</b>							
Total mileage travelled .....	77,025	139,711	42,892	35,570	68,446	115,376	479,020
Average yearly mileage per truck .....	10,200	11,100	11,600	12,100	14,200	21,900	13,000
Average distance each ton was carried .....	29.1	27.0	20.8	21.5	22.4	24.7	23.8
Percentage of total mileage travelled empty .....	59.4	48.2	40.3	38.1	41.1	45.1	46.8
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	5,167	10,642	4,351	4,226	9,517	17,059	50,962
Miles per gallon of gasoline .....	14.9	13.1	9.7	9.4	7.2	6.2	9.2
Total gallons of diesel oil consumed .....	—	—	85	—	—	1,744	1,829
Miles per gallon of diesel oil .....	—	—	9.2	—	—	6.0	6.1
Total gallons of other fuel consumed .....	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	732	1,908	3,021	3,811	9,608	27,342	46,422
Average weight carried <sup>1</sup> .....	0.7	0.7	2.4	3.7	5.3	10.6	4.3
<b>Net ton miles:</b>							
Total net ton miles performed .....	21,287	51,507	62,734	82,020	214,827	674,463	1,108,838
Average net ton miles per truck .....	2,800	4,100	16,900	27,800	44,600	128,200	30,000
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	87,576	184,311	154,661	194,417	531,678	1,546,475	2,699,118
Average capacity ton miles per truck .....	11,600	14,600	41,700	65,900	110,300	293,900	73,200
Percentage of capacity utilized .....	24.3	27.9	40.6	42.2	40.4	43.6	41.0
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	142,303	335,608	202,135	214,803	506,572	1,335,005	2,736,426
Average gross ton miles per truck .....	18,900	26,600	54,500	72,800	105,100	253,700	74,200

See footnotes page 11.



**SECTION 11 TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS WITHIN THE PROVINCE,  
JANUARY 1-DECEMBER 31, 1957.**

**TABLE 1. All Trucks by Type of Operation**

		For hire	Private			Total
			Intercity	Urban	Farm	
<b>Mileage:</b>						
Total mileage travelled .....	'000	197,826	461,410	460,635	132,821	1,252,692
Average yearly mileage per truck .....		16,400	12,500	7,000	4,100	8,500
Average distance each ton was carried .....		34.7	22.4	9.5	16.4	20.9
Percentage of total mileage travelled empty .....		26.1	46.6	39.5	69.2	43.2
<b>Fuel:</b>						
Total gallons of gasoline consumed .....	'000	24,460	48,803	40,808	9,426	123,497
Miles per gallon of gasoline .....		7.1	9.3	11.2	14.1	9.8
Total gallons of diesel oil consumed .....	'000	3,935	1,578	788	—	6,301
Miles per gallon of diesel oil .....		6.1	5.8	6.0	—	6.0
Total gallons of other fuel consumed .....	'000	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—
<b>Weight of goods carried:</b>						
Total tons of goods carried .....	'000	28,830	46,086	40,232	2,424	117,572
Average weight carried <sup>1</sup> .....	ton	6.8	4.2	1.4	1.0	3.4
<b>Net ton miles:</b>						
Total net ton miles performed .....	'000	1,000,717	1,030,968	383,840	39,668	2,455,393
Average net ton miles per truck .....		82,800	27,900	5,900	1,200	16,700
<b>Capacity ton miles:</b>						
Total capacity ton miles <sup>2</sup> .....	'000	1,907,802	2,521,919	1,230,812	172,190	5,832,723
Average capacity ton miles per truck .....		157,900	68,400	18,800	5,300	39,700
Percentage of capacity utilized .....		52.5	40.9	31.2	23.2	42.1
<b>Gross ton miles:</b>						
Total gross ton miles <sup>3</sup> .....	'000	2,016,402	2,571,065	1,607,373	283,757	6,478,597
Average gross ton miles per truck .....		166,900	69,700	24,500	8,700	44,100
<b>Revenue:</b>						
Total revenue .....	\$'000	94,823	—	—	—	—
Revenue per ton mile .....	¢	9.5	—	—	—	—
Revenue per mile (total mileage travelled) .....	¢	47.9	—	—	—	—
Average revenue per truck .....	\$	7,800	—	—	—	—

**TABLE 2. All Trucks by Gross Vehicle Weight Groups**

	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
<b>Mileage:</b>							
Total mileage travelled .....	'000	256,318	448,375	106,074	84,913	128,967	228,045
Average yearly mileage per truck .....		6,200	7,400	7,500	9,800	12,200	18,800
Average distance each ton was carried .....		18.9	9.8	17.1	19.5	18.9	24.9
Percentage of total mileage travelled empty .....		62.4	43.3	30.4	30.0	36.2	36.2
<b>Fuel:</b>							
Total gallons of gasoline consumed .....	'000	16,672	34,744	10,937	10,353	18,103	32,688
Miles per gallon of gasoline .....		15.4	12.9	9.7	8.1	7.1	5.8
Total gallons of diesel oil consumed .....	'000	—	—	24	72	—	6,205
Miles per gallon of diesel oil .....		—	—	9.2	8.8	—	6.0
Total gallons of other fuel consumed .....	'000	—	—	—	—	—	—
Miles per gallon of other fuel .....		—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried .....	'000	1,995	13,663	9,360	9,471	21,312	61,771
Average weight carried <sup>1</sup> .....	ton	0.4	0.5	2.2	3.1	4.9	10.6
<b>Net ton miles:</b>							
Total net ton miles performed .....	'000	37,711	134,356	159,927	185,081	402,390	1,535,928
Average net ton miles per truck .....		900	2,200	11,400	21,400	37,900	126,500
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> .....	'000	232,938	566,604	371,471	442,821	987,334	3,231,555
Average capacity ton miles per truck .....		5,600	9,400	26,400	51,200	93,000	266,100
Percentage of capacity utilized .....		16.2	23.7	43.1	41.8	40.8	47.5
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> .....	'000	440,248	1,040,481	507,561	513,336	959,369	3,017,602
Average gross ton miles per truck .....		10,700	17,300	36,000	59,400	90,400	248,500

See footnotes page 11.

TABLE 3. For Hire Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
<b>Mileage:</b>							
Total mileage travelled ..... '000	1,369	22,495	24,313	24,288	35,590	89,771	197,826
Average yearly mileage per truck .....	5,900	12,500	11,100	14,100	15,700	23,300	16,400
Average distance each ton was carried .....	13.7	21.8	20.2	24.7	20.8	43.7	34.7
Percentage of total mileage travelled empty .....	24.0	28.5	20.8	22.0	32.3	25.7	26.1
<b>Fuel:</b>							
Total gallons of gasoline consumed ..... '000	94	1,885	2,613	3,006	4,949	11,913	24,460
Miles per gallon of gasoline .....	14.6	11.9	9.3	7.9	7.2	5.6	7.1
Total gallons of diesel oil consumed ..... '000	—	—	—	72	—	3,863	3,935
Miles per gallon of diesel oil .....	—	—	—	8.8	—	6.1	6.1
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of good carried ..... '000	51	645	2,339	2,605	6,034	17,156	23,830
Average weight carried <sup>1</sup> ..... ton	0.7	0.9	2.4	3.4	5.2	11.2	6.8
<b>Net ton miles:</b>							
Total net ton miles performed ..... '000	704	14,077	47,165	64,397	125,313	749,061	1,000,717
Average net ton miles per truck .....	3,000	7,800	21,500	37,300	55,100	194,500	82,800
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> ..... '000	1,302	36,463	87,631	126,176	273,169	1,383,061	1,907,802
Average capacity ton miles per truck .....	5,600	20,200	40,000	73,000	120,100	359,100	157,900
Percentage of capacity utilized .....	54.0	38.6	53.3	51.0	45.9	54.2	52.5
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> ..... '000	2,878	64,408	126,984	160,292	277,919	1,383,921	2,016,402
Average gross ton miles per truck .....	12,300	35,800	57,900	92,800	122,200	359,400	166,900
<b>Revenue:</b>							
Total revenue ..... \$'000	353	5,971	9,457	8,947	14,715	55,380	94,823
Revenue per ton mile ..... ¢	50.1	42.4	20.1	13.9	11.7	7.4	9.5
Revenue per mile (total mileage travelled) ..... ¢	25.8	26.5	38.9	36.8	41.3	61.7	47.9
Average revenue per truck ..... \$	1,500	3,300	4,300	5,200	6,500	14,400	7,800

TABLE 4. Private Intercity Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
<b>Mileage:</b>							
Total mileage travelled ..... '000	76,426	137,082	40,656	35,094	66,507	105,645	461,410
Average yearly mileage per truck .....	10,100	10,900	11,000	11,000	13,800	20,100	12,500
Average distance each ton was carried .....	29.0	26.8	19.5	21.3	21.9	22.5	22.4
Percentage of total mileage travelled empty .....	59.5	47.6	40.1	38.2	40.6	45.2	46.6
<b>Fuel:</b>							
Total gallons of gasoline consumed ..... '000	5,118	10,451	4,169	4,170	9,256	15,639	48,803
Miles per gallon of gasoline .....	14.9	13.1	9.7	8.4	7.2	6.2	9.3
Total gallons of diesel oil consumed ..... '000	—	—	24	—	—	1,554	1,578
Miles per gallon of diesel oil .....	—	—	9.2	—	—	5.8	5.8
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried ..... '000	732	1,907	3,008	3,792	9,605	27,042	46,086
Average weight carried <sup>1</sup> ..... ton	0.7	0.7	2.4	3.7	5.3	10.5	4.2
<b>Net ton miles:</b>							
Total net ton miles performed ..... '000	21,233	51,093	58,693	80,814	210,612	608,523	1,030,968
Average net ton miles per truck .....	2,800	4,100	15,800	27,400	43,700	115,600	27,900
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> ..... '000	87,136	181,913	145,936	191,907	516,762	1,398,265	2,521,919
Average capacity ton miles per truck .....	11,600	14,400	39,300	65,100	107,200	265,700	68,400
Percentage of capacity utilized .....	24.4	28.1	40.2	42.1	40.8	43.5	40.9
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> ..... '000	141,343	329,189	190,887	212,078	492,916	1,204,652	2,571,065
Average gross ton miles per truck .....	18,800	26,100	51,500	71,900	102,200	228,900	69,700

See footnotes page 11.

TABLE 5. Private Urban Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
<b>Mileage:</b>							
Total mileage travelled ..... '000	110,001	232,569	34,142	24,862	26,432	32,629	460,635
Average yearly mileage per truck .....	6,300	7,400	5,300	6,800	7,700	10,800	7,000
Average distance each ton was carried .....	14.2	5.1	12.1	13.1	11.7	10.1	9.5
Percentage of total mileage travelled empty .....	57.2	36.7	22.4	25.6	30.6	35.9	39.5
<b>Fuel:</b>							
Total gallons of gasoline consumed ..... '000	6,945	18,299	3,491	3,095	3,842	5,136	40,808
Miles per gallon of gasoline .....	15.8	12.7	9.8	8.0	6.9	5.4	11.2
Total gallons of diesel oil consumed ..... '000	—	—	—	—	—	788	788
Miles per gallon of diesel oil .....	—	—	—	—	—	6.0	6.0
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried ..... '000	618	10,117	3,405	2,934	5,585	17,573	40,232
Average weight carried <sup>1</sup> ..... ton	0.2	0.4	1.6	2.1	3.6	8.5	1.4
<b>Net ton miles:</b>							
Total net ton miles performed ..... '000	8,784	51,784	41,198	38,433	65,297	178,344	383,840
Average net ton miles per truck .....	500	1,600	6,400	10,500	18,900	58,900	5,900
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> ..... '000	86,733	271,690	107,734	120,417	194,009	450,229	1,230,812
Average capacity ton miles per truck .....	5,000	8,600	16,800	32,700	56,300	148,700	18,800
Percentage of capacity utilized .....	10.1	19.1	38.2	31.9	33.7	39.6	31.2
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> ..... '000	181,814	520,154	154,132	136,917	185,327	429,029	1,607,373
Average gross ton miles per truck .....	10,400	16,500	24,000	37,200	53,700	141,700	24,500

TABLE 6. Private Farm Trucks by Gross Vehicle Weight Groups

	0-2½ tons	2½-5 tons	5-7½ tons	7½-10 tons	10-15 tons	Over 15 tons	Total
<b>Mileage:</b>							
Total mileage travelled ..... '000	68,522	56,229	6,963	669	438	—	132,821
Average yearly mileage per truck .....	4,300	3,900	3,900	2,300	6,300	—	4,100
Average distance each ton was carried .....	11.8	17.5	21.2	10.2	13.3	—	16.4
Percentage of total mileage travelled empty .....	74.6	65.9	46.7	49.6	37.3	—	69.2
<b>Fuel:</b>							
Total gallons of gasoline consumed ..... '000	4,515	4,109	664	82	56	—	9,426
Miles per gallon of gasoline .....	15.2	13.7	10.5	8.2	7.8	—	14.1
Total gallons of diesel oil consumed ..... '000	—	—	—	—	—	—	—
Miles per gallon of diesel oil .....	—	—	—	—	—	—	—
Total gallons of other fuel consumed ..... '000	—	—	—	—	—	—	—
Miles per gallon of other fuel .....	—	—	—	—	—	—	—
<b>Weight of goods carried:</b>							
Total tons of goods carried ..... '000	594	994	608	140	88	—	2,424
Average weight carried <sup>1</sup> ..... ton	0.4	0.9	3.5	4.3	4.3	—	1.0
<b>Net ton miles:</b>							
Total net ton miles performed ..... '000	6,990	17,402	12,871	1,437	1,168	—	39,868
Average net ton miles per truck .....	400	1,200	7,200	4,900	16,900	—	1,200
<b>Capacity ton miles:</b>							
Total capacity ton miles <sup>2</sup> ..... '000	57,767	76,538	30,170	4,321	3,394	—	172,190
Average capacity ton miles per truck .....	3,600	5,300	17,000	14,700	49,200	—	5,300
Percentage of capacity utilized .....	12.1	22.7	42.7	33.3	34.4	—	23.2
<b>Gross ton miles:</b>							
Total gross ton miles <sup>3</sup> ..... '000	114,213	126,730	35,558	4,049	3,207	—	283,757
Average gross ton miles per truck .....	7,100	8,800	20,000	13,800	46,500	—	8,700

<sup>1</sup> Ton miles divided by miles travelled with load.<sup>2</sup> Capacity ton miles are determined by multiplying the actual total number of miles travelled by the estimated capacity or the weight of the heaviest load carried, whichever is larger.<sup>3</sup> Gross ton miles are determined by adding to the total ton miles performed the weight of the vehicle empty (tare) multiplied by total miles travelled.



TABLE 7. Selected Statistics of Intercity Traffic by Gross Vehicle Weight Groups

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
10,000 lbs. and under .....	696	17,114	14,781	0.9	21.2	6,324	42.3
10,001-20,000 lbs. ....	4,944	38,222	111,562	2.9	22.6	18,404	16.5
20,001-30,000 lbs. ....	6,034	24,088	125,313	5.2	20.8	14,715	11.7
30,001-50,000 lbs. ....	17,156	66,674	749,061	11.2	43.7	55,380	7.4
50,001 lbs. and over .....	—	—	—	—	—	—	—
<b>Total</b> .....	<b>28,830</b>	<b>146,098</b>	<b>1,000,717</b>	<b>6.8</b>	<b>34.7</b>	<b>94,823</b>	<b>9.5</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under .....	2,639	102,770	72,326	0.7	27.4		
10,001-20,000 lbs. ....	6,800	46,029	139,507	3.0	20.5		
20,001-30,000 lbs. ....	9,605	39,515	210,612	5.3	21.9		
30,001-50,000 lbs. ....	27,042	57,909	608,523	10.5	22.5		
50,001 lbs. and over .....	—	—	—	—	—		
<b>Total</b> .....	<b>46,086</b>	<b>246,223</b>	<b>1,030,968</b>	<b>4.2</b>	<b>22.4</b>		

SECTION III. INTRAPROVINCIAL TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS  
JANUARY 1 - DECEMBER 31, 1957

TABLE 1. Selected Statistics by Gross Vehicle Weight Groups

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
10,000 lbs. and under .....	180	4,603	4,734	1.0	26.3	1,029	21.7
10,001-20,000 lbs. ....	1,637	17,509	58,174	3.3	35.5	7,094	12.2
20,001-30,000 lbs. ....	2,348	14,612	80,262	5.5	34.2	7,788	9.7
30,001-50,000 lbs. ....	8,823	46,969	521,098	11.1	59.1	39,277	7.5
50,001 lbs. and over .....	—	—	—	—	—	—	—
<b>Total</b> .....	<b>12,988</b>	<b>83,693</b>	<b>664,268</b>	<b>7.9</b>	<b>51.1</b>	<b>55,188</b>	<b>8.3</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under .....	2,406	94,569	69,495	0.7	28.9		
10,001-20,000 lbs. ....	6,445	42,581	132,109	3.1	20.5		
20,001-30,000 lbs. ....	8,906	37,464	202,425	5.4	22.7		
30,001-50,000 lbs. ....	25,383	53,799	558,275	10.4	22.0		
50,001 lbs. and over .....	—	—	—	—	—		
<b>Total</b> .....	<b>43,140</b>	<b>228,413</b>	<b>962,304</b>	<b>4.2</b>	<b>22.3</b>		

TABLE 2. Selected Statistics by Commodity Groups

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	282	1,929	15,860	8.2	56.3	1,096	6.9
Animals and animal products .....	1,098	15,800	73,295	4.6	66.8	5,822	7.9
Mine products .....	4,868	6,944	76,592	11.0	15.7	5,700	7.4
Forest products .....	857	3,206	31,303	9.9	37.1	1,941	6.1
Manufactures and miscellaneous .....	4,051	34,073	303,213	8.9	74.7	24,613	8.1
N.O.S. general freight .....	1,822	21,741	163,505	7.5	89.7	16,016	9.8
<b>Total .....</b>	<b>12,988</b>	<b>83,593</b>	<b>664,268</b>	<b>7.9</b>	<b>51.1</b>	<b>55,188</b>	<b>8.3</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	1,108	11,770	41,098	3.5	37.1		
Animals and animal products .....	1,265	27,405	88,849	3.2	70.2		
Mine products .....	24,686	27,266	290,347	9.5	10.5		
Forest products .....	5,438	23,056	165,723	7.2	30.5		
Manufactures and miscellaneous .....	9,538	123,195	368,631	3.0	38.6		
N.O.S. general freight .....	1,105	15,721	37,656	2.4	34.1		
<b>Total .....</b>	<b>43,140</b>	<b>228,413</b>	<b>982,304</b>	<b>4.2</b>	<b>22.3</b>		

SECTION IV. INTERPROVINCIAL AND INTERNATIONAL TRAFFIC PERFORMED BY QUEBEC REGISTERED TRUCKS  
JANUARY 1-DECEMBER 31, 1957

TABLE 1. Tons of Goods Carried

Origin or destination	For hire			Private intercity			Total		
	Into Quebec	Out of Quebec	Total	Into Quebec	Out of Quebec	Total	Into Quebec	Out of Quebec	Total
	'000 tons								
Newfoundland .....	-	-	-	-	-	-	-	-	-
Prince Edward Island .....	-	-	-	-	-	-	-	-	-
Nova Scotia .....	-	-	-	-	-	-	-	-	-
New Brunswick .....	48	49	97	2	10	12	50	59	109
Ontario .....	1,030	1,003	2,033	70	506	576	1,100	1,509	2,609
Manitoba .....	3	3	6	-	-	-	3	3	6
Saskatchewan .....	-	-	-	-	-	-	-	-	-
Alberta .....	10	9	19	-	-	-	10	9	19
British Columbia .....	-	-	-	-	-	-	-	-	-
United States .....	92	56	148	70	200	270	162	256	418
<b>Total .....</b>	<b>1,183</b>	<b>1,120</b>	<b>2,303</b>	<b>142</b>	<b>716</b>	<b>858</b>	<b>1,325</b>	<b>1,836</b>	<b>3,161</b>

TABLE 2. Selected Statistics by Gross Vehicle Weight Groups

Gross vehicle weight	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
10,000 lbs. and under .....	3	317	165	0.5	51.7	163	99.0
10,001-20,000 lbs. ....	29	2,148	6,998	3.3	242.6	975	13.9
20,001-30,000 lbs. ....	47	2,074	10,139	4.9	214.9	1,264	12.5
30,001-50,000 lbs. ....	2,224	54,749	709,446	13.0	319.0	40,623	5.7
50,001 lbs. and over .....	—	—	—	—	—	—	—
<b>Total .....</b>	<b>2,303</b>	<b>59,288</b>	<b>726,748</b>	<b>12.3</b>	<b>315.5</b>	<b>43,025</b>	<b>5.9</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
10,000 lbs. and under .....	21	1,428	866	0.6	40.8		
10,001-20,000 lbs. ....	49	1,726	6,307	3.7	128.3		
20,001-30,000 lbs. ....	252	1,267	7,274	5.7	28.9		
30,001-50,000 lbs. ....	536	7,001	84,076	12.0	156.9		
50,001 lbs. and over .....	—	—	—	—	—		
<b>Total .....</b>	<b>858</b>	<b>11,422</b>	<b>98,523</b>	<b>8.6</b>	<b>114.8</b>		

TABLE 3. Selected Statistics by Commodity Groups

Commodity classification	For hire						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton	Total revenue	Revenue per ton mile
	'000 tons	'000	'000	tons	miles	\$'000	¢
Agricultural products .....	61	2,561	28,736	11.2	467.9	1,275	4.4
Animals and animal products .....	57	1,895	19,536	10.3	343.5	1,189	6.1
Mine products .....	41	1,003	14,872	14.8	361.6	589	4.0
Forest products .....	37	651	8,191	12.6	219.9	328	4.0
Manufactures and miscellaneous .....	1,343	34,473	418,976	12.2	312.0	24,794	5.9
N.O.S. general freight .....	764	18,705	236,437	12.6	309.5	14,850	6.3
<b>Total .....</b>	<b>2,303</b>	<b>59,288</b>	<b>726,748</b>	<b>12.3</b>	<b>315.5</b>	<b>43,025</b>	<b>5.9</b>
	Private intercity						
	Weight of goods carried	Total miles travelled with load	Total net ton miles	Average weight carried	Average distance per ton		
	'000 tons	'000	'000	tons	miles		
Agricultural products .....	95	2,679	28,310	10.6	297.3		
Animals and animal products .....	27	763	6,398	8.4	236.6		
Mine products .....	16	265	3,423	12.9	217.5		
Forest products .....	440	2,022	17,985	8.9	40.8		
Manufactures and miscellaneous .....	274	5,676	42,385	7.5	154.6		
N.O.S. general freight .....	6	17	22	1.3	4.0		
<b>Total .....</b>	<b>858</b>	<b>11,422</b>	<b>98,523</b>	<b>8.6</b>	<b>114.8</b>		



**APPENDIX**  
**Sampling Results**

Type of operation	0-2½ tons 0-5,000 lbs.	2½-5 tons 5,001-10,000 lbs.	5-7½ tons 10,001-15,000 lbs.	7½-10 tons 15,001-20,000 lbs.	10-15 tons 20,001-30,000 lbs.	Over 15 tons 30,001 lbs. and over	Total
Estimated average Quebec truck population January 1 - December 31, 1957							
For hire .....	234	1,801	2,193	1,728	2,274	3,851	12,081
Private:							
Intercity .....	7,538	12,613	3,710	2,950	4,822	5,262	36,895
Urban .....	17,500	31,499	6,412	3,677	3,449	3,027	65,564
Farm .....	16,038	14,355	1,776	294	69	3	32,535
<b>Total .....</b>	<b>41,310</b>	<b>60,268</b>	<b>14,091</b>	<b>8,649</b>	<b>10,614</b>	<b>12,143</b>	<b>147,075</b>
Total number of trucks selected in samples							
For hire .....	11	202	340	249	418	870	2,090
Private:							
Intercity .....	406	1,326	565	434	994	1,117	4,842
Urban .....	943	3,306	978	547	842	779	7,395
Farm .....	874	1,511	279	45	23	1	2,733
<b>Total .....</b>	<b>2,234</b>	<b>6,345</b>	<b>2,162</b>	<b>1,275</b>	<b>2,277</b>	<b>2,767</b>	<b>17,060</b>
Number of questionnaires returned completed							
For hire .....	6	111	178	138	233	510	1,176
Private:							
Intercity .....	194	675	236	192	464	531	2,292
Urban .....	455	1,679	405	243	404	351	3,537
Farm .....	474	778	107	12	12	—	1,383
<b>Total .....</b>	<b>1,129</b>	<b>3,243</b>	<b>926</b>	<b>585</b>	<b>1,113</b>	<b>1,392</b>	<b>8,388</b>
Number of sampled trucks reported not in use during survey week							
For hire .....	1	27	70	52	79	159	388
Private:							
Intercity .....	71	240	174	122	278	293	1,178
Urban .....	167	611	310	157	223	209	1,677
Farm .....	189	359	106	17	5	1	677
<b>Total .....</b>	<b>428</b>	<b>1,237</b>	<b>660</b>	<b>348</b>	<b>585</b>	<b>662</b>	<b>3,920</b>
Number of questionnaires returned incomplete and unusable							
For hire .....	3	37	42	26	48	87	243
Private:							
Intercity .....	108	265	105	75	159	177	889
Urban .....	243	650	175	93	135	121	1,417
Farm .....	160	257	44	11	4	—	476
<b>Total .....</b>	<b>514</b>	<b>1,209</b>	<b>366</b>	<b>205</b>	<b>346</b>	<b>385</b>	<b>3,025</b>
Number of questionnaires not returned (non-respondents)							
For hire .....	1	27	50	33	58	114	283
Private:							
Intercity .....	33	146	50	45	93	116	483
Urban .....	78	366	88	54	80	98	764
Farm .....	51	117	22	5	2	—	197
<b>Total .....</b>	<b>163</b>	<b>656</b>	<b>210</b>	<b>137</b>	<b>233</b>	<b>328</b>	<b>1,727</b>

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