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CONSUMPTION OF PETROLEUM FUELS - 1949

Deliveries of heavy and medium fuel oils, heavy and light furnace oils and diesel fuel to Canadian users amounted to 1,624.8 million gallons in 1949, according to reports received from refineries and their distributors, and from major consumers. About 16.8 per cent of this total was for use in ships' bunkers; 28.1 per cent for use in manufacturing plants as fuel and material; 27.4 per cent in heating homes and buildings; 11.0 per cent for railways; 3.4 per cent for tractors and other motor vehicles; 2.0 per cent for electric light plants; and 11.1 per cent was used under refinery boilers. The provincial distribution was as follows, in millions of gallons: Atlantic Provinces, 196.2; Quebec, 425.9; Ontario, 402.0; Manitoba, 34.8; Saskatchewan, 108.5; Alberta, 130.4; and British Columbia, 266.7.

Most of the stove oil, kerosene and illuminating oils was used for heating, lighting and cooking, and the tractor fuel was used for tractors--the former use at 210.1 million gallons accounted for 80.8 per cent of the total, and the latter at 46.2 million gallons, for 17 per cent. Total deliveries of 261 million gallons for all purposes were distributed by provinces as follows, in millions of gallons: Atlantic Provinces, 32.9; Quebec, 89.9; Ontario, 46.8; Manitoba, 15.7; Saskatchewan, 20.3; Alberta, 14.0; and British Columbia, 41.2.

In addition to the above quantities, Canadian refineries shipped for export 9.6 million gallons of fuel oil, and 29,000 gallons of kerosene.

Imports of petroleum fuels, as reported, amounted to 95.3 million gallons of fuel oil, 33 million gallons of furnace oil, 37.4 million gallons of diesel fuel, 68.8 million gallons of stove oil, kerosene, etc., and 258,210 short tons of petroleum coke. Consumption of gasoline has not been included in this survey. In 1949 about 1,593 million gallons of motor gasoline were used in Canada and about 47 million gallons of aviation gasoline.

Total deliveries of fuel oils, furnace oils, diesel fuel, stove oil, kerosene, etc., for use in heating, cooking and lighting were as follows during the past twenty years. Kerosene was not included prior to 1948.

Year	Millions of gallons	Year	Millions of gallons
1930 .....	74.4	1940 .....	150.1
1931 .....	73.3	1941 .....	146.8
1932 .....	82.0	1942 .....	124.0
1933 .....	99.8	1943 .....	95.4
1934 .....	109.7	1944 .....	103.3
1935 .....	109.2	1945 .....	143.8
1936 .....	111.9	1946 .....	322.9
1937 .....	117.7	1947 .....	531.4
1938 .....	119.1	1948 .....	596.2 (including
1939 .....	136.1	1949 .....	654.9 kerosene)

Note: This report was prepared in the Mining, Metallurgical and Chemical Section

Table 1 - DELIVERIES OF PETROLEUM FUELS FOR CONSUMPTION, CALENDAR YEAR 1949, AS REPORTED BY REFINERS AND

	Atlantic Provinces	Quebec	Ontario	Manitoba
(a) HEAVY AND MEDIUM FUEL OILS (Nos. 6 and 5) -				
For heating purposes .....	3,783,795	40,566,479	15,758,986	2,592,727
For consumption under refinery boilers .....	16,158,531	39,187,611	74,449,930	3,124,781
For electric light plants .....	2,769,816	...	...	124,533
For industrial purposes, as fuel or material .	31,810,257	104,596,217	153,622,188	5,313,522
For tractors and other motor vehicles, as fuel	...	...	...	...
For railways .....	12,555,403	16,706,196	3,799,225	4,321,745
For bunkering, including suppliers' tankers ..	65,166,489	80,672,552	15,023,041	111,852
For unspecified uses .....	130,081	...	...	...
Total Deliveries of Fuel Oils, All Uses ...	132,374,372	281,729,055	262,653,370	15,589,160
(b) HEAVY AND LIGHT FURNACE OILS (Nos. 3 and 2) -				
For heating purposes .....	32,756,529	94,700,474	158,216,799	5,439,689
For electric light plants .....	...	46,967	...	...
For industrial purposes, as fuel or material .	422,390	18,629,922	10,249,323	472,551
For tractors and other motor vehicles, as fuel	...	150,348	193,956	323,562
For railways .....	266,391	566,066	134,855	1,162,583
For ships and boats, as fuel .....	10,460	400,000	...	...
For unspecified uses .....	...	465,892	...	...
Total Deliveries of Furnace Oils, All Uses.	33,455,770	114,959,669	168,794,933	7,398,385
(c) DIESEL FUEL -				
For heating purposes .....	976,959	695,033	5,279,197	2,353,116
For electric light plants .....	3,900,526	499,764	380,705	732,917
For industrial purposes, as fuel or material .	3,535,037	3,492,966	5,472,023	2,267,083
For tractors and other motor vehicles, as fuel	4,177,214	7,731,918	12,328,785	5,919,523
For railways .....	2,955,213	3,097,634	4,585,589	548,075
For ships and boats, as fuel .....	14,206,499	12,944,371	2,577,671	...
For unspecified uses .....	673,163	788,308	...	...
Total Deliveries of Diesel Fuel, All Uses..	30,424,611	29,249,994	30,623,970	11,820,714
(d) STOVE OIL (No.1), TRACTOR FUEL, KEROSENE and ILLUMINATING OIL -				
For heating, lighting and cooking .....	32,379,429	86,706,309	42,544,022	3,906,225
For railways .....	305,977	131,884	426,578	249,517
For electric light plants .....	...	2,019	...	110,817
For industrial purposes, as fuel or material .	130,213	1,092,101	1,642,689	12,555
For tractors and farm vehicles .....	6,683	899,169	2,196,433	11,441,703
For unspecified uses .....	165,803	1,066,091	...	...
Total Deliveries of Section (d), All Uses..	32,988,105	89,897,573	46,809,722	15,720,817
(e) COMBINED TOTALS OF SECTIONS (a)-(d) -				
For heating purposes, lighting and cooking ...	69,896,712	222,668,295	221,799,004	14,291,757
For consumption under refinery boilers .....	16,158,531	39,187,611	74,449,930	3,124,781
For electric light plants .....	6,670,342	548,750	380,705	968,267
For industrial purposes, as fuel or material .	35,897,897	127,811,206	170,986,223	8,065,711
For tractors and other motor vehicles, as fuel	4,183,897	8,781,435	14,719,174	17,684,788
For railways .....	16,082,984	20,501,780	8,946,247	6,281,920
For ships and boats, as fuel .....	79,383,448	94,016,923	17,600,712	111,852
For unspecified purposes .....	969,047	2,320,291	...	...
Total Deliveries of all Liquid Fuels, All Uses	229,242,858	515,836,291	508,881,995	50,529,076
(f) FURNACE BURNERS AND BOILERS SUPPLIED WITH FUELS SHOWN IN SECTIONS (a), (b), and (c) ....	19,738	61,474	126,552	6,159
(g) PETROLEUM COKE -				
For domestic and industrial heating .....	37	10,355	59,967	...
For industrial purposes, as material .....	...	162,797	87,525	17
Total Deliveries of Petroleum Coke .....	37	173,152	147,492	17

Note:- The distribution of Diesel Fuel in 1948 has been revised in accordance with information received



## DISTRIBUTORS

Saskatchewan (Imperial gallons)	Alberta and Northwest Territories	British Columbia and Yukon	C A N A D A		C A N A D A	
			1 9 4 9	Per cent of section total	1 9 4 8	Per cent of section total
6,442,639	272,226	23,429,809	92,846,661	8.8	89,923,810	9.1
16,002,375	17,039,791	13,803,526	179,766,545	16.9	175,368,847	17.7
10,462,936	877,899	5,497,233	19,732,417	1.8	12,915,974	1.3
13,597,404	3,024,417	70,451,501	382,415,506	35.9	380,234,157	38.4
...	40,219	...	40,219	...	322,428	...
30,532,012	72,203,709	22,969,990	163,088,280	15.3	104,741,745	10.6
...	5,933,058	59,038,579	225,945,571	21.2	222,080,566	22.4
671	...	712,123	842,875	.1	5,559,708	.5
77,038,037	99,391,319	195,902,761	1,064,678,074	100.0	991,147,235	100.0
8,973,675	457,726	26,727,887	327,272,779	89.9	287,494,587	88.3
280,901	...	...	327,868	...	225,265	...
...	231,934	1,495,200	31,501,320	8.8	35,126,926	10.7
847,507	3,538	...	1,518,911	.3	940,032	...
63,048	268,402	22,487	2,483,832	.7	3,106,749	1.0
...	...	...	410,460	.1	144,123	...
261,792	3,570	...	731,254	.2	844,545	...
10,426,923	965,170	28,245,574	364,246,424	100.0	327,882,227	100.0
5,466,329	5,138,396	5,478,937	25,387,967	12.7	8,741,369	5.0
4,590,543	1,215,027	1,627,131	12,946,613	6.6	17,512,508	10.1
275,477	15,753,856	12,124,069	42,920,511	21.9	40,013,851	23.0
10,430,002	7,088,389	6,145,330	53,821,161	27.5	52,011,180	30.0
336,078	549,772	1,689,999	13,762,360	7.1	8,875,747	5.1
...	380,820	15,530,918	45,640,279	23.5	45,625,047	26.1
...	...	...	1,461,471	.7	1,116,025	.7
21,098,429	30,126,260	42,596,384	195,940,362	100.0	173,895,727	100.0
3,750,381	4,819,363	36,073,025	210,178,754	80.8	210,103,950	80.2
87,642	99,228	126,629	1,427,455	.4	1,276,621	.5
...	...	...	112,836	...	187,770	...
6,758	...	325,224	3,209,540	1.2	4,100,612	1.6
16,239,172	8,901,307	4,752,991	44,437,458	17.0	46,221,244	17.6
259,742	183,435	...	1,675,071	.6	347,595	.1
20,343,695	14,003,333	41,277,869	261,041,114	100.0	262,237,792	100.0
24,633,024	10,687,711	91,709,658	655,686,161	34.8	596,263,716	33.5
16,002,375	17,039,791	13,803,526	179,766,545	9.5	175,368,847	10.0
15,334,380	2,092,926	7,124,364	33,119,734	1.8	30,841,517	1.8
13,879,639	19,010,207	84,395,994	460,046,877	24.3	459,475,546	26.3
27,516,681	16,033,453	10,898,321	99,817,749	5.3	99,494,884	5.7
31,018,780	73,121,111	24,809,105	180,761,927	9.6	118,000,862	6.8
...	6,313,878	74,569,497	271,996,310	14.4	267,849,736	15.4
522,205	187,005	712,123	4,710,671	.3	7,867,873	.5
128,907,084	144,486,082	308,022,588	1,885,905,974	100.0	1,755,162,981	100.0
(Number)						
10,165	3,365	23,849	251,302	...	186,852	...
(Tons of 2,000 pounds)						
877	...	...	71,236 ✓	22.2	72,399 ✓	19.2
...	...	3	250,342	77.8	304,512	80.8
877	...	3	321,578	100.0	376,911	100.0

after the publication of the 1948 report.

Table 2 - INVENTORIES OF PETROLEUM FUELS, AS AT DECEMBER 31, 1949 (Suppliers = Refiners and Distributors)

	Atlantic Provinces	Quebec	Ontario	Manitoba (Imperial)
(a) Heavy and Medium Fuel Oils -				
Suppliers .....	9,974,610	38,785,063	31,462,166	1,298,774
Consumers .....	8,412,917	25,621,995	35,663,943	657,608
Total Fuel Oils .....	18,387,527	64,407,058	67,126,109	1,956,382
(b) Heavy and Light Furnace Oils -				
Suppliers .....	5,438,490	42,572,955	76,140,556	982,912
Consumers .....	46,858	2,512,554	2,444,981	24,095
Total Furnace Oils ...	5,485,348	45,085,509	78,585,537	1,007,007
(c) Diesel Fuel -				
Suppliers .....	10,611,297	10,409,939	15,450,057	1,921,473
Consumers .....	86,256	295,948	497,503	102,601
Total Diesel Fuel ....	10,697,553	10,705,887	15,947,560	2,024,074
(d) Stove Oil, Kerosene, Tractor Fuel and Illuminating Oil -				
Suppliers .....	12,337,578	31,615,737	14,714,547	1,920,924
Consumers .....	75,643	78,645	115,186	23,295
Total Stove Oil, etc..	12,413,221	31,694,382	14,829,733	1,944,219
Total of (a), (b), (c) and (d) -				
Suppliers .....	38,361,975	123,383,694	137,767,326	6,124,083
Consumers .....	8,621,674	28,509,142	38,721,613	807,599
Total .....	46,983,649	151,892,836	176,488,939	6,931,682
(e) Petroleum Coke -				(Short
Suppliers .....	...	448	20,147	...
Consumers .....	6	121,258	89,626	8
Total .....	6	121,706	109,773	8

Table 3 - DELIVERIES OF FUEL, FURNACE AND DIESEL OILS FOR HEATING, IN PRINCIPAL CITIES, 1949 and

Principal Cities	Furnaces and boilers supplied No.	Fuel oils (Nos. 6 and No. 5) Imp.gal.	Furnace oils (Nos. 3 and No. 2) Imp.gal.
Atlantic Provinces - St. John's .....	2,050	774,892	4,372,520
Charlottetown and Saint John .....	4,937	626,978	8,738,973
Halifax .....	6,312	1,442,573	10,302,635
Quebec - Montreal .....	38,344	30,789,444	57,484,526
Quebec .....	4,618	6,961,145	9,170,770
Sherbrooke .....	1,792	177,318	3,074,815
Three Rivers .....	937	837,580	1,233,184
Ontario - Hamilton .....	6,373	441,974	8,306,940
London .....	4,289	550,000	5,668,994
Ottawa .....	11,227	278,013	14,214,794
Toronto .....	62,802	12,970,383	76,890,772
Windsor .....	2,035	150,000	2,577,302
Prairie Provinces - Winnipeg and Brandon .....	5,289	2,207,307	4,968,364
Regina and Saskatoon .....	5,605	4,198,001	5,435,582
Edmonton and Calgary .....	219	...	233,804
British Columbia - Vancouver and New Westminster .....	18,766	16,484,141	18,050,963
Victoria .....	3,157	2,547,432	4,014,368
Total for above cities - Heating only .....	178,752	81,437,181	234,739,306
Total for Canada - Heating only .....	251,302	92,846,661	327,272,779
Total for Canada - All Purposes .....	...	1,064,678,074	364,246,424

Note: Suburban districts are included in above figures. For example, Montreal includes Outremont, Westmount, Verdun, Montreal North, East and West, Ville St. Pierre, Pointe Claire, Pointe aux Trembles, St. Laurent, Mount Royal, Lachine, etc.

Name		Address		City		State		Zip	
John Doe		123 Main St		New York		NY		10001	
Jane Smith		456 Elm St		Los Angeles		CA		90001	
Bob Johnson		789 Oak St		Chicago		IL		60601	
Alice Brown		101 Pine St		Houston		TX		77001	
David Wilson		202 Cedar St		Phoenix		AZ		85001	
Eve Davis		303 Birch St		Philadelphia		PA		19101	
Frank Miller		404 Maple St		San Antonio		TX		78101	
Grace Lee		505 Elm St		San Diego		CA		92101	
Harry King		606 Oak St		Dallas		TX		75201	
Ivy White		707 Pine St		San Jose		CA		95101	
Jack Black		808 Cedar St		Austin		TX		78701	
Karen Green		909 Birch St		Jacksonville		FL		32201	
Leo Gray		1010 Maple St		Fort Worth		TX		76101	
Mia Blue		1111 Elm St		Columbus		OH		43201	
Noah Red		1212 Oak St		San Francisco		CA		94101	
Olivia Yellow		1313 Pine St		Indianapolis		IN		46201	
Peter Purple		1414 Cedar St		San Jose		CA		95101	
Quinn Brown		1515 Birch St		Portland		OR		97201	
Rory Green		1616 Maple St		Seattle		WA		98101	
Sam Blue		1717 Elm St		Denver		CO		80201	
Tina Red		1818 Oak St		Boston		MA		02101	
Uma Yellow		1919 Pine St		San Francisco		CA		94101	
Victor Purple		2020 Cedar St		Phoenix		AZ		85001	
Wendy Brown		2121 Birch St		San Antonio		TX		78101	
Xavier Green		2222 Maple St		Dallas		TX		75201	
Yara Blue		2323 Elm St		San Diego		CA		92101	
Zoe Red		2424 Oak St		Houston		TX		77001	



Table 4 - CONSUMPTION OF PETROLEUM FUELS BY RAILWAYS (STEAM AND ELECTRIC) 1949 - (As reported by railways)

Province	F u e l   O i l s						Total consumption of fuel oil	Kerosene for signals, lights and lanterns (b)
	Heating hotels, cars, stations and buildings	As fuel under shops' boilers, forges, etc.	Loco-motives	Steamships and boats (bunkering)	Tractors, trucks, buses, etc.	Electric light plants	Various other uses (a)	
	(Thousands of Imperial gallons)							
Atlantic Provinces	169	1,940	5,672	4,597	...	...	158	12,536
Quebec .....	1,610	1,535	3,678	24	465	...	48(c)	7,360
Ontario .....	931	3,807	5,000	712	426	29	102	11,007
Prairie Provinces.	493	1,346	104,593	...	80	2	848(c)	107,362
British Columbia and Yukon .....	616	2,099	43,947	23,307	...	5,520	78(c)	75,567
CANADA .....	3,819	10,727	162,890	28,640	971	5,551	1,234	213,832
								1,125

(a) Fuel oil for miscellaneous use does not include gas oil used in four gas plants for production of gas.

(b) Does not include amounts used for cleaning.

(c) Does not include amounts used in gas manufacture.

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