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CONSUMPTION OF PETROLEUM FUELS, 1950

Deliveries of heavy and medium fuel oils to Canadian users totalled 1,207 million gallons in 1950, according to reports received from refiners and distributors. About 33 per cent of this total was used in industrial plants as fuel or as material, 19 per cent was used under oil refinery boilers, 18 per cent by railways, 17 per cent for ships' bunkers, 9 per cent for heating residences and commercial buildings and for lighting and cooking and 3 per cent by electric light plants.

Consumption or deliveries of furnace oils and other light fuel oils amounted to 534 million gallons of which 89 per cent was for heating homes and commercial buildings, nearly 9 per cent for industrial purposes and just 2 per cent for other uses.

Deliveries of diesel fuel totalled 204 million gallons of which 28 per cent was used by tractors and other motor vehicles, 23 per cent by ships, 23 per cent by industrial concerns, 12 per cent by railways, 6 per cent by electric light plants, 4 per cent for heating homes etc. and nearly 4 per cent for other purposes.

Deliveries of stove oil, kerosene and illuminating oil, and tractor fuel amounted to 319 million gallons of which 84 per cent was for heating, lighting and cooking, 12 per cent for use in tractors,  $2\frac{1}{2}$  per cent for industrial purposes and  $1\frac{1}{2}$  per cent for other uses.

Imports of petroleum fuels in 1950 included 261 million gallons of heavy fuel oil, 143 million gallons of furnace oils and other light fuel oils, 72 million gallons of diesel fuel, 84 million gallons of stove oil, 16 million gallons of kerosene and 304,000 tons of petroleum coke.

Gasoline consumption has not been included in this survey but from other studies, it appears that the total usage in Canada in 1950 totalled 1,750 million gallons of motor gasoline and 60 million gallons of aviation gasoline.

Data given in this report have been compiled from reports submitted by refiners, dealers and large consumers of petroleum fuels.

Total deliveries of fuel oils, furnace oils, stove oil, kerosene, etc. for heating residences and buildings (other than industrial plants), and for cooking and lighting were as follows during the past eighteen years.

Year	Millions of gallons	Year	Millions of gallons
1933 .....	122.4	1942 .....	146.5
1934 .....	133.6	1943 .....	117.9
1935 .....	132.2	1944 .....	125.3
1936 .....	134.6	1945 .....	164.9
1937 .....	140.0	1946 .....	348.9
1938 .....	143.0	1947 .....	569.5
1939 .....	161.7	1948 .....	596.2
1940 .....	172.7	1949 .....	655.6
1941 .....	169.7	1950 .....	863.4

Table 1 - DELIVERIES OF PETROLEUM FUELS FOR CONSUMPTION, CALENDAR YEAR 1950, AS REPORTED BY REFINERS AND

	Atlantic Provinces	Quebec	Ontario	Manitoba
(a) HEAVY AND MEDIUM FUEL OILS (Nos. 6, 5 and 4) -				
For heating homes and buildings and for lighting and cooking .....	4,291,579	51,418,216	20,284,964	5,622,142
For consumption under refinery boilers .....	17,726,290	66,918,157	80,169,574	4,750,834
For electric light plants .....	2,402,540	...	...	124,776
For industrial purposes, as fuel or material .	39,044,088	110,690,984	166,141,442	7,758,299
For tractors and other motor vehicles, as fuel	...	...	...	...
To railways .....	15,165,152	7,070,332	4,842,652	4,461,450
To ships for bunkering .....	47,037,974	98,629,792	15,091,192	...
For unspecified uses .....	...	...	...	...
Total Deliveries of Fuel Oils, All Uses ...	125,667,623	334,727,481	286,529,824	22,717,501
(b) HEAVY AND LIGHT FURNACE OILS (Nos. 3 and 2) -				
For heating homes and buildings and for lighting and cooking .....	43,434,541	133,102,134	224,748,864	12,044,282
To electric light plants .....	...	56,668	...	...
For industrial purposes, as fuel or material .	4,748,139	19,064,885	17,874,310	579,884
For tractors and other motor vehicles, as fuel	...	141,067	1,541,445	134,880
To railways .....	385,570	781,040	264,046	1,201,474
To ships and boats, as fuel .....	15,460	517,771	177,015	...
For unspecified uses .....	...	831,266	3,242,302	...
Total Deliveries of Furnace Oils, All Uses.	48,583,710	154,494,831	247,847,982	13,960,520
(c) DIESEL FUEL -				
For heating homes and buildings and for lighting and cooking .....	331,339	630,389	1,330,923	91,137
To electric light plants .....	4,250,000	606,634	484,859	394,767
For industrial purposes, as fuel or material .	4,989,301	3,185,826	7,145,800	1,594,585
For tractors and other motor vehicles, as fuel	3,892,850	7,830,425	15,409,399	5,685,413
To railways .....	2,157,259	3,404,636	9,813,416	1,165,888
To ships and boats, as fuel .....	15,196,806	14,060,322	3,512,406	...
For unspecified uses .....	900,000	882,336	1,569,432	...
Total Deliveries of Diesel Fuel, All Uses .	31,717,555	30,600,568	39,266,235	8,931,790
(d) STOVE OIL (No. 1), TRACTOR FUEL, KEROSENE AND ILLUMINATING OIL -				
For heating homes and buildings and for lighting and cooking .....	35,523,778	102,251,999	56,637,816	8,056,344
To railways .....	238,769	202,257	601,737	42,184
To electric light plants .....	...	1,121	61,387	100,000
For industrial purposes, as fuel or material .	85,447	1,177,717	3,508,224	14,126
For tractors and other motor vehicles, as fuel	...	1,116,596	5,289,094	9,477,727
For unspecified uses .....	1,422,979	510,657	1,519,909	...
Total Deliveries of Section (d), All Uses .	37,270,973	105,260,347	67,618,167	17,690,381
(e) COMBINED TOTALS OF SECTIONS (a) - (d) -				
For heating homes and buildings and for lighting and cooking .....	83,581,237	287,402,738	303,002,567	25,813,905
For consumption under refinery boilers .....	17,726,290	66,918,157	80,169,574	4,750,834
To electric light plants .....	6,652,540	664,423	546,246	619,543
For industrial purposes, as fuel or material .	48,866,975	134,119,412	194,669,776	9,946,894
For tractors and other motor vehicles, as fuel	3,892,850	9,088,088	22,239,938	15,298,020
To railways .....	17,946,750	11,458,265	15,521,851	6,870,996
To ships and boats, as fuel .....	62,250,240	113,207,885	18,780,613	...
For unspecified uses .....	2,322,979	2,224,259	6,331,643	...
Total Deliveries of all Liquid Fuels, All Uses	243,239,861	625,083,227	641,262,208	63,300,192
(f) FURNACE BURNERS AND BOILERS SUPPLIED WITH FUELS SHOWN IN SECTIONS (a), (b) and (c) .....				
	22,270	79,186	189,878	10,207
(g) PETROLEUM COKE -				
For domestic and industrial heating .....	18	655	22,808	...
For industrial purposes, as material .....	...	207,586	218,062	17
Total Deliveries of Petroleum Coke .....	18	208,241	240,870	17

Petroleum Fuels

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DISTRIBUTORS

Saskat- chewan	Alberta and Northwest Territories	British Columbia and Yukon	C A N A D A		C A N A D A	
			1 9 5 0	Per cent of Section total	1 9 4 9	Per cent of section total
(Imperial gallons)						
7,093,294	486,300	23,346,632	112,543,127	9.3	92,846,661	8.8
20,791,536	24,621,598	14,271,984	229,249,973	19.0	179,766,545	16.9
23,064,150	170,639	6,384,714	32,146,819	2.7	19,732,417	1.8
1,382,395	6,325,828	71,864,282	403,207,318	33.4	382,415,506	35.9
...	66,488	...	66,488	...	40,219	...
43,812,514	118,285,800	29,480,809	223,118,709	18.5	163,088,280	15.3
...	736,033	45,069,527	206,564,518	17.1	225,945,571	21.2
43	...	...	43	...	842,875	.1
96,143,932	150,692,686	190,417,948	1,206,896,995	100.0	1,064,678,074	100.0
18,363,523	4,180,707	38,575,648	474,449,699	89.0	327,272,779	89.9
226,277	...	...	282,945	...	327,868	...
140,826	970,653	1,756,239	45,134,936	8.5	31,501,320	8.8
1,302,337	...	...	3,119,729	.6	1,518,911	.3
152,055	249,107	147,981	3,181,273	.6	2,483,832	.7
...	...	...	710,246	.1	410,460	.1
657,831	...	1,988,133	6,719,532	1.2	731,254	.2
20,842,849	5,400,467	42,468,001	533,598,360	100.0	364,246,424	100.0
4,383,597	676,054	...	7,443,439	3.7	25,387,967	12.7
3,149,784	786,577	2,021,209	11,693,830	5.8	12,946,613	6.6
...	16,408,643	13,348,275	46,672,430	22.9	42,920,511	21.9
10,285,520	7,784,812	7,346,322	58,234,741	28.5	53,821,161	27.5
342,779	5,605,845	1,980,309	24,470,132	12.0	13,762,360	7.1
...	500,955	14,619,124	47,889,613	23.5	45,640,279	23.5
...	...	4,000,000	7,351,768	3.6	1,461,471	.7
18,161,680	31,762,886	43,315,239	203,755,953	100.0	195,940,362	100.0
9,301,987	12,451,399	44,787,954	269,011,277	84.2	210,178,754	80.8
15,205	91,711	63,451	1,255,314	.5	1,427,455	.4
...	5,021	...	167,529	...	112,836	...
29,066	1,069,984	1,849,255	7,733,819	2.4	3,209,540	1.2
13,593,350	7,570,183	466,197	37,513,147	11.7	44,437,458	17.0
...	...	158,452	3,611,997	1.2	1,675,071	.6
22,939,608	21,188,298	47,325,309	319,293,083	100.0	261,041,114	100.0
39,142,401	17,794,460	106,710,234	863,447,542	38.1	655,686,161	34.8
20,791,536	24,621,598	14,271,984	229,249,973	10.1	179,766,545	9.5
26,440,211	962,237	8,405,923	44,291,123	1.9	33,119,734	1.8
1,552,287	24,775,108	88,818,051	502,748,503	22.2	460,046,877	24.3
25,181,207	15,421,483	7,812,519	98,934,105	4.4	99,817,749	5.3
44,322,553	124,232,463	31,672,550	252,025,428	11.2	180,761,927	9.6
...	1,236,988	59,688,651	255,164,377	11.3	271,996,310	14.4
657,874	...	6,146,585	17,683,340	.8	4,710,671	.3
158,088,069	209,044,337	323,526,497	2,263,544,391	100.0	1,885,905,974	100.0
(Number)						
18,955	4,689	35,566	360,751	...	251,302	..
(Short tons)						
...	...	...	23,481 ✓	5.3	71,236 ✓	22.2
621	...	8	426,294	94.7	250,342	77.8
621	...	8	449,775	100.0	321,578	100.0



Petroleum Fuels

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**Table 2 - INVENTORIES OF PETROLEUM FUELS, AS AT DECEMBER 31, 1950 (Suppliers = Refiners and Distributors)**

	Atlantic Provinces	Quebec	Ontario	Manitoba (Imperial)
(a) Heavy and Medium Fuel Oils -				
Suppliers .....	11,590,600	39,177,075	34,518,558	880,447
Consumers .....	16,605,038	20,943,788	33,234,953	553,584
Total Fuel Oils .....	28,195,638	60,120,863	67,753,511	1,434,031
(b) Heavy and Light Furnace Oils -				
Suppliers .....	6,636,250	60,528,551	128,976,038	1,256,154
Consumers .....	2,927,950	2,371,585	3,029,799	64,060
Total Furnace Oils .....	9,564,200	62,900,136	132,005,837	1,320,214
(c) Diesel Fuel -				
Suppliers .....	16,253,644	14,775,604	24,905,089	2,615,107
Consumers .....	168,998	309,698	500,933	117,673
Total Diesel Fuel .....	16,422,642	15,085,302	25,406,022	2,732,780
(d) Stove Oil, Kerosene, Tractor Fuel and Illuminating Oil -				
Suppliers .....	11,700,294	29,387,250	18,133,239	1,792,629
Consumers .....	75,015	90,317	188,380	50,047
Total Section (d) .....	11,775,309	29,477,567	18,321,619	1,842,676
(e) Total of (a),(b),(c) and (d) -				
Suppliers .....	46,180,788	143,868,480	206,532,924	6,544,337
Consumers .....	19,777,001	23,715,388	36,954,065	785,364
Total Section (e) .....	65,957,789	167,583,868	243,486,989	7,329,701
(f) Petroleum Coke -				(Short
Suppliers .....	...	...	10,850	...
Consumers .....	25	101,200	73,048	3
Total .....	25	101,200	83,898	3

**Table 3 - DELIVERIES OF FUEL, FURNACE AND DIESEL OILS FOR HEATING, IN PRINCIPAL CITIES, 1950 and**

Principal Cities	Furnace and boilers supplied No.	Fuel oils (Nos. 6 and 5) Imp.gal.	Furnace oils (Nos. 3 and 2) Imp.gal.
Atlantic Provinces - St. John's .....	2,378	584,258	5,464,937
Charlottetown .....	978	536,662	1,531,597
Saint John .....	4,087	685,101	8,877,055
Halifax .....	7,251	1,674,478	14,543,554
Quebec - Montreal .....	49,823	36,187,056	83,685,335
Quebec .....	6,970	11,335,768	14,509,828
Sherbrooke .....	2,111	713,923	3,827,861
Three Rivers .....	1,742	571,173	1,886,197
Ontario - Hamilton .....	13,366	483,165	14,751,770
Londor' .....	6,402	610,000	7,400,824
Ottawa .....	12,744	1,302,256	16,823,017
Toronto .....	94,434	15,617,701	108,668,985
Windsor .....	3,474	150,000	3,855,261
Prairie Provinces - Winnipeg and Brandon .....	9,638	5,622,142	10,862,227
Regina and Saskatoon .....	5,696	6,261,524	7,452,289
Edmonton and Calgary .....	642	200,000	473,376
British Columbia - Greater Vancouver .....	22,296	18,094,417	26,604,256
Victoria .....	5,063	3,307,990	5,878,307
Total for above cities - Heating only .....	249,095	103,937,614	337,096,676
Total for Canada - Heating only .....	360,751	112,543,127	474,449,699
Total for Canada - All Purposes .....	...	1,206,896,995	533,598,360

Note: Suburban districts are included in above figures.

Petroleum Fuels

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(Consumers = Industrial users)

(Consumers - Industrial Users)			C A N A D A	
Saskatchewan	Alberta and Northwest Territories	British Columbia and Yukon	1 9 5 0	1 9 4 9
gallons)				
5,001,151	11,671,401	18,195,666	121,034,898	105,847,921
1,110,364	92,847	2,784,801	75,325,375	74,606,865
6,111,515	11,764,248	20,980,467	196,360,273	180,454,786
2,938,790	453,232	2,986,310	203,775,325	129,049,278
525	296,530	31,944	8,722,393	5,072,258
2,939,315	749,762	3,018,254	212,497,718	134,121,536
4,295,623	6,611,374	14,716,329	84,172,770	57,595,494
568,054	53,174	450,028	2,168,558	1,204,116
4,863,677	6,664,548	15,166,357	86,341,328	58,799,610
2,284,417	7,814,859	8,729,380	79,842,068	76,857,915
150	1,144	530,828	935,881	857,478
2,284,567	7,816,003	9,260,208	80,777,949	77,715,393
14,519,981	26,550,866	44,627,685	488,825,061	369,350,608
1,679,093	443,695	3,797,601	87,152,207	81,740,717
16,199,074	26,994,561	48,425,286	575,977,268	451,091,325
tons)				
...	...	...	10,850	20,595
...	...	1	174,277	210,899
...	...	1	185,127	231,494

COMPARATIVE TOTALS FOR 1949

5 0			1 9 4 9		
Diesel fuel	Total	Per cent of provincial total	Furnaces and boilers supplied	Total fuel, furnace and diesel oils	Per cent of provincial total
Imp.gal.	Imp.gal.		No.	Imp.gal.	
...	6,049,195	79.6	2,050	5,147,412	73.9
111,252	2,179,511	84.1	913	1,787,463	81.4
...	9,562,156	66.1	4,024	7,837,368	64.3
...	16,218,032	69.6	6,312	11,745,208	72.6
290,573	120,162,964	64.9	38,344	88,465,496	65.2
76,046	25,921,642	14.0	4,618	16,137,946	11.9
3,073	4,544,857	2.4	1,792	3,252,133	2.4
...	2,457,370	1.3	937	2,070,764	1.5
71,468	15,306,403	6.2	6,373	9,152,979	5.1
4,654	8,015,478	3.2	4,289	6,552,312	3.6
5,500	18,130,773	7.3	11,227	14,526,186	8.1
105,860	124,392,546	50.4	62,802	89,870,700	50.1
...	4,005,261	1.6	2,035	2,727,302	1.5
40,471	16,524,840	93.1	5,289	8,308,910	80.0
794,221	14,508,034	48.6	5,605	10,859,528	52.0
201,540	874,916	16.4	219	374,480	6.4
...	44,698,673	72.1	18,766	38,291,763	68.8
...	9,186,297	14.8	3,157	6,914,861	12.4
1,704,658	442,738,948	74.1(a)	178,752	324,012,811	72.7(a)
7,443,439	594,436,265	30.5(b)	251,302	445,507,407	27.4(b)
203,755,953	1,944,251,308	...	...	1,624,864,860	...

(a) Percentage of Canadian heating total.

(b) Percentage of total deliveries of all above categories, for all purposes.

Table 4 - CONSUMPTION OF PETROLEUM FUELS BY RAILWAYS (STEAM AND ELECTRIC) 1950 - (As reported by railways)

Province	F u e l   O i l s						Kerosene		
	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)	Total con- sumption of fuel oil	for signals, lights and lanterns (b)
	(Thousands of Imperial gallons)								
Atlantic Provinces	229	2,322	11,544	7,146	...	326	...	21,567	176
Quebec .....	1,714	3,075	3,331	25	205	60	20(c)	8,430	375
Ontario .....	1,058	4,037	5,432	665	499	118	39	11,848	269
Prairie Provinces.	668	1,812	164,075	...	90	767	13(c)	167,425	292
British Columbia and Yukon .....	630	2,224	61,661	27,465	6	4,258	15(c)	96,259	93
CANADA .....	4,299	13,470	246,043	35,301	800	5,529	87	305,529	1,205

(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.

