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Handbook

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CONSUMPTION* OF PETROLEUM FUELS, 1954

Deliveries of heavy and medium fuel oils (Nos. 4, 5 and 6) to Canadian users totalled 39,840,857 barrels in 1954, according to reports received from refiners and distributors. About 47 per cent of this total was used in industrial plants as fuel or as material, 16 per cent by railways, 17 per cent for ships' bunkering, 16 per cent for heating residences and commercial buildings and for lighting and cooking, and 2 per cent by electric light plants.

Consumption or deliveries of furnace oils and other light fuel oils amounted to 32,660,939 barrels, of which 89 per cent was for heating homes and commercial buildings, 8 per cent for industrial purposes and just 3 per cent for other uses.

Deliveries of diesel fuel totalled 11,496,167 barrels, of which 28 per cent was used by tractors and other motor vehicles, 12 per cent by ships, 15 per cent by industrial concerns, 30 per cent by railways, 1 per cent by electric light plants, 4 per cent for heating homes, etc., and 10 per cent for other purposes.

Deliveries of stove oil, kerosene and illuminating oil and tractor fuel, amounted to 12,849,489 barrels, of which 92 per cent was for heating, lighting and cooking, 3 per cent for use in tractors, 2 per cent for industrial purposes and 3 per cent for other uses.

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 nineteen years.

Year	Barrels (of 35 Imp. gal.)	Year	Barrels (of 35 Imp. gal.)
1936.....	3,846,000	1946.....	9,969,000
1937.....	4,000,000	1947.....	16,271,000
1938.....	4,086,000	1948.....	17,034,000
1939.....	4,620,000	1949.....	18,731,000
1940.....	4,934,000	1950.....	24,669,000
1941.....	4,849,000	1951.....	29,786,000
1942.....	4,186,000	1952.....	34,863,000
1943.....	3,369,000	1953.....	38,586,000
1944.....	3,580,000	1954.....	47,508,000
1945.....	4,711,000		

*See footnote to Table 1.

Prepared in the Metal and Chemical Products Section
Industry and Merchandising Division

**TABLE 1. Deliveries of Petroleum Fuels for Consumption, Calendar Year 1954,
as Reported by Refiners and Distributors**

No.		Atlantic Provinces	Quebec	Ontario	Manitoba
		Barrels of 35 Imperial gallons			
	(a) Heavy and medium fuel oils (Nos. 6, 5 and 4):				
1	For heating homes and buildings and for light- ing and cooking	284, 029	2, 444, 626	1, 382, 194	566, 148
2	For electric light plants	86, 977	—	—	—
3	For industrial purposes, as fuel or material	2, 267, 999	7, 078, 745	6, 091, 516	545, 039
4	For tractors and other motor vehicles, as fuel ...	90, 206	—	—	—
5	To railways	458, 429	106, 879	115, 033	259, 234
6	To ships for bunkering	1, 452, 126	3, 027, 277	632, 652	8, 268
7	For unspecified uses	—	324, 094	155, 044	91, 584
8	Total deliveries of fuel oils, all uses	4, 639, 766	12, 981, 621	8, 376, 439	1, 470, 273
	(b) Heavy and light furnace oils (Nos. 3 and 2):				
9	For heating homes and buildings and for light- ing and cooking	2, 057, 347	6, 944, 956	14, 389, 834	1, 524, 579
10	To electric light plants	—	66	48, 353	—
11	For industrial purposes, as fuel or material	90, 523	743, 535	1, 569, 284	37, 744
12	For tractors and other motor vehicles, as fuel ...	34	12, 949	16, 920	2, 972
13	To railways	12, 207	62, 979	46, 955	3, 420
14	To ships and boats, as fuel	189	5, 884	1, 140	—
15	For unspecified uses	228	82, 991	270, 099	116, 324
16	Total deliveries of furnace oils, all uses ...	2, 160, 528	7, 853, 360	16, 342, 585	1, 685, 039
	(c) Diesel fuel:				
17	For heating homes and buildings and for light- ing and cooking	3, 323	66, 567	102, 603	95, 575
18	To electric light plants	32, 513	34, 583	—	—
19	For industrial purposes, as fuel or material	282, 435	196, 477	177, 261	9, 336
20	For tractors and other motor vehicles, as fuel ...	329, 868	738, 377	490, 762	148, 013
21	To railways	297, 294	653, 910	1, 269, 634	148, 032
22	To ships and boats, as fuel	484, 089	359, 284	61, 774	—
23	For unspecified uses	37, 877	92, 695	200, 804	40, 732
24	Total deliveries of diesel fuel, all uses	1, 467, 399	2, 141, 893	2, 302, 838	441, 688
	(d) Stove oil (No. 1), tractor fuel, kerosene and illuminating oil:				
25	For heating homes and buildings and for light- ing and cooking	1, 513, 054	4, 444, 421	3, 514, 485	97, 732
26	To railways	6, 944	35, 180	14, 702	6, 834
27	To electric light plants	—	—	—	—
28	For industrial purposes, as fuel or material	41, 256	48, 678	56, 295	996
29	For tractors and other motor vehicles, as fuel ...	—	109, 070	9, 721	108, 199
30	For unspecified uses	4, 346	38, 718	280, 543	16, 487
31	Total deliveries of section (d), all uses	1, 565, 600	4, 676, 067	3, 875, 746	230, 248
	(e) Combined totals of sections (a)–(d):				
32	For heating homes and buildings and for light- ing and cooking	3, 857, 753	13, 900, 570	19, 389, 116	2, 284, 034
33	To electric light plants	119, 490	34, 649	48, 353	—
34	For industrial purposes, as fuel or material	2, 682, 213	8, 067, 435	7, 894, 356	593, 115
35	For tractors and other motor vehicles, as fuel ...	420, 108	860, 396	517, 403	259, 184
36	To railways	774, 874	858, 948	1, 446, 324	417, 520
37	To ships and boats, as fuel	1, 936, 404	3, 392, 445	695, 566	8, 268
38	For unspecified uses	42, 451	538, 498	906, 490	265, 127
39	Total deliveries of all liquid fuels, all uses	9, 833, 293	27, 652, 941	30, 897, 608	3, 827, 248
	(f) Petroleum coke:				
40	For domestic and industrial heating	—	—	10, 080	—
41	For industrial purposes, as material	—	298, 068	169, 963	—
42	Total deliveries of petroleum coke	—	298, 068	180, 043	—

Note: Consumption of heavy and medium fuel oils (Nos. 6, 5 and 4) reported as used "under refinery boilers" in 1952 and earlier years has not been included in 1953 and 1954. Accordingly, totals for the latter years are not exactly comparable with earlier years.

TABLE 1. Deliveries of Petroleum Fuels for Consumption, Calendar Year 1954, as Reported by Refiners and Distributors

Saskatchewan	Alberta and Northwest Territories	British Columbia and Yukon	Canada		Canada		No.
			1954	Per cent of section total	1953	Per cent of section total	
Barrels of 35 Imperial gallons							
402,502	42,691	1,088,590	6,210,780	15.6	5,656,564	15.4	1
873,199	952	—	961,128	2.4	837,318	2.3	2
445,978	55,427	2,174,824	18,659,528	46.9	15,496,006	42.2	3
—	—	441	90,647	.2	34,222	.1	4
1,298,711	3,142,975	1,114,254	6,495,515	16.3	6,477,504	17.6	5
—	14,955	1,481,525	6,616,803	16.6	7,799,295	21.3	6
—	110,300	125,434	806,456	2.0	399,512	1.1	7
3,020,390	3,367,300	5,985,068	39,840,857	100.0	36,700,421	100.0	8
1,590,424	579,778	1,947,256	29,034,174	88.9	23,097,716	90.1	9
—	301	—	48,720	.1	374	—	10
12,699	11,940	204,226	2,669,951	8.2	1,588,098	6.2	11
224,380	—	428	257,683	.8	109,020	.4	12
12,169	11,587	6,938	156,255	.5	415,935	1.6	13
—	—	1,143	8,356	—	97,370	.4	14
895	3,257	12,006	485,800	1.5	338,370	1.3	15
1,840,567	606,863	2,171,997	32,660,939	100.0	25,646,883	100.0	16
174,752	21,985	5,472	470,277	4.1	358,929	3.4	17
32,973	29,368	21,362	150,799	1.3	193,676	1.8	18
140,418	254,489	726,695	1,787,111	15.5	2,472,431	23.4	19
447,890	684,701	324,590	3,164,201	27.5	2,364,706	22.4	20
110,105	553,690	388,166	3,420,831	29.8	2,609,637	24.7	21
—	6,364	464,143	1,375,654	12.0	1,414,215	13.4	22
208,537	338,938	207,711	1,127,294	9.8	1,145,833	10.9	23
1,114,675	1,889,535	2,138,139	11,496,167	100.0	10,559,427	100.0	24
255,044	323,354	1,644,935	11,793,025	91.8	9,471,895	89.2	25
1,192	4,024	3,678	72,554	.6	37,397	.4	26
1,056	—	—	1,056	—	12	—	27
869	7,786	60,228	216,108	1.7	241,175	2.3	28
82,585	79,397	—	388,972	3.0	419,093	3.9	29
16,909	16,395	4,376	377,774	2.9	449,547	4.2	30
357,655	430,956	1,713,217	12,849,489	100.0	10,619,119	100.0	31
2,422,722	967,808	4,686,253	47,508,256	49.0	38,585,104	46.2	32
907,228	30,621	21,362	1,161,703	1.2	1,031,380	1.2	33
599,964	329,642	3,165,973	23,332,698	24.1	19,797,710	23.7	34
754,855	764,098	325,459	3,901,503	4.0	2,927,041	3.5	35
1,422,177	3,712,276	1,513,036	10,145,155	10.5	9,540,473	11.5	36
—	21,319	1,946,811	8,000,813	8.3	9,310,880	11.1	37
226,341	468,890	349,527	2,797,324	2.9	2,333,262	2.8	38
6,333,287	6,294,654	12,008,421	96,847,452	100.0	83,525,850	100.0	39
—	—	—	10,080	2.1	12,111	2.3	40
—	—	—	468,031	97.9	525,297	97.7	41
—	—	—	478,111	100.0	537,408	100.0	42



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PETROLEUM FUELS

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TABLE 2. Deliveries of Fuel, Furnace and Diesel Oils, for Heating, in Principal Cities, 1954, and Comparative Totals for 1953

Principal cities	1954					1953	
	Fuel oils (Nos. 6, 5 and 4)	Furnace oils (Nos. 3 and 2)	Diesel fuel	Total	Per cent of provincial total	Total fuel, furnace and diesel oils	Per cent of provincial total
Barrels of 35 Imperial gallons							
Atlantic Provinces:							
St. John's	80,203	168,366	—	248,569	61.2	279,101	73.0
Charlottetown	25,936	92,131	3,323	121,390	78.0	86,106	74.8
Saint John	8,206	485,715	—	493,921	58.0	367,914	60.8
Halifax	91,822	525,139	—	616,961	66.1	669,390	71.0
Quebec:							
Montreal	1,488,802	4,377,851	40,422	5,907,075	62.6	4,580,472	59.2
Quebec	515,884	665,006	2,700	1,183,590	12.5	1,045,084	13.5
Sherbrooke	—	213,967	—	213,967	2.3	200,329	2.6
Three Rivers	59,119	89,419	—	148,538	1.6	122,642	1.6
Ontario:							
Hamilton	134,283	964,249	1,882	1,100,414	6.9	1,031,392	8.1
London	18,564	792,511	—	811,075	5.1	435,625	3.4
Ottawa	82,966	1,120,537	62	1,203,565	7.5	1,051,848	8.3
Toronto	868,804	6,035,720	29,560	6,934,084	43.6	5,758,844	45.3
Windsor	4,286	534,742	—	539,028	3.4	193,380	1.5
Prairie Provinces:							
Winnipeg and Brandon	475,450	1,079,611	13,470	1,568,531	71.7	1,367,084	84.7
Regina and Saskatoon	306,956	650,552	9,609	967,117	44.6	795,515	41.0
Edmonton and Calgary	—	119,655	—	119,655	18.5	59,731	12.9
British Columbia:							
Greater Vancouver	741,174	1,206,830	5,153	1,953,157	64.2	1,697,101	65.0
Victoria	124,270	222,824	—	347,094	11.4	318,482	12.2
Total for above cities — heating only	5,026,725	19,344,825	106,181	24,477,731	68.5	20,060,040	68.9
Total for Canada — heat- ing only	6,210,780	29,034,174	470,277	35,715,231	42.5	29,113,209	28.0
Total for Canada — all purposes	39,840,857	32,660,939	11,496,167	83,997,963	—	71,421,356	—

Note: Suburban districts are included in above figures.

TABLE 3. Consumption of Petroleum Fuels by Railways (Steam and Electric), 1954
(As reported by railways)

Province	Fuel oils				Kerosene, for signals, lights and lanterns
	Heating hotels, cars, stations and buildings	As fuel under shops' boilers, forges, etc.	Loco- motives	Steamships and boats (bunkering)	
Barrels of 35 Imp. gal.					
Atlantic Provinces	9,555	59,814	559,002	245,834	
Quebec	67,817	97,257	470,004	444	
Ontario	45,581	103,322	1,641,201	22,833	
Prairie Provinces	68,107	110,499	4,388,749	—	
British Columbia and Yukon	42,564	250,950	2,373,343	655,852	
Canada	233,624	621,842	9,432,299	924,963	
Fuel oils					
	Tractors, trucks, buses, etc.	Electric light plants	Various other uses	Total consumption of fuel oil	
Barrels of 35 Imp. gal.					
Atlantic Provinces	—	51,531	1,609	927,345	3,213
Quebec	78,899	9,042	2,707	726,170	6,001
Ontario	32,342	15,286	3,630	1,864,195	7,043
Prairie Provinces	13,214	43,880	2,641	4,627,090	9,629
British Columbia and Yukon	—	44,695	155,718	3,523,122	2,125
Canada	124,455	164,434	166,305	11,667,922	28,011