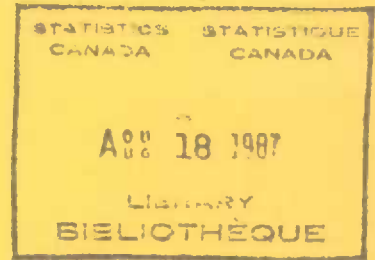


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GOVERNMENT OF CANADA



THE PETROLEUM PRODUCTS INDUSTRY
1950



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Published by Authority of the Rt. Hon. C. D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section
Industry and Merchandising Division
Dominion Bureau of Statistics
Ottawa

NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada—mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

For the purpose of annual compilation and publication, the manufacturing industries have been classified into major groups, prefaced by two reports of a general nature, as follows:

- I Summary Report on Manufacturing Industries
- II Manufacturing Industries by Geographical Distribution
- III Foods and Beverages
- IV Tobacco and Tobacco Products
- V Rubber Products
- VI Leather Products
- VII Miscellaneous Manufactures
- VIII Textiles
- IX Wood and Paper Products
- X Printing Trades
- XI Operations in the Woods
- XII Iron and Steel Products
- XIII Transportation Equipment
- XIV Non-ferrous Metal Products
- XV Electrical Apparatus and Supplies
- XVI Non-metallic Mineral Products
- XVII Products of Petroleum and Coal
- XVIII Chemicals and Allied Products

The present report belongs in Group XVII, Products of Petroleum and Coal. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

- A General Review, 25¢.
- B The Coke and Gas Industry, 25¢.
- C The Petroleum Products Industry, 25¢.

THE PETROLEUM PRODUCTS INDUSTRY

1950

Statistics for the Petroleum Products Industry cover all establishments in Canada which were occupied in (a) the refining of crude oil to produce gasoline, fuel oil, etc., and (b) the blending or compounding of lubricating oils and greases.

Thirty-two refineries and 14 blending plants, or a total of 46 works, reported under this category in 1950 and the aggregate value of production was \$511,516,392, an increase of 17.1 per cent over the 1949 total of \$436,796,213.

Output figures for 1950 included \$503,521,097 for petroleum refineries and \$7,995,295 for concerns engaged in blending oils and greases, against corresponding totals in 1949 of \$429,949,296 and \$6,846,917 respectively. The principal statistics for each of these groups and for the industry as a whole are tabulated in Tables 1 and 2 and the detailed figures for each division are recorded separately in the succeeding pages of this report.

TABLE 1. Principal Statistics of the Petroleum Products Industry, 1946-1950

Year	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works	Net ¹ value of production
			\$	\$	\$	\$	\$
Petroleum Refining:							
1946	30	7,048	14,657,496	10,153,100	154,714,683	221,702,376	56,834,593
1947	32	7,686	17,739,785	12,654,136	216,037,106	286,573,707	57,882,465
1948	33	8,245	21,522,698	17,605,205	308,604,948	387,169,018	60,958,865
1949	33	9,162	25,585,538	16,837,394	331,772,278	429,949,296	81,339,624
1950	32	9,728	29,708,085	19,759,979	377,866,861	503,521,097	105,894,257
Compounding Oils and Greases:							
1946	13	97	191,645	5,925	1,104,061	1,723,004	613,018
1947	14	74	138,035	4,427	1,478,965	1,926,579	443,187
1948	11	250	539,261	42,433	5,544,416	7,765,182	2,178,333
1949	14	251	556,738	14,666	5,200,778	6,846,917	1,631,473
1950	14	328	849,511	28,914	6,489,520	7,995,295	1,476,861
TOTAL:							
1946	43	7,145	14,849,141	10,159,025	155,818,744	223,425,380	57,447,611
1947	46	7,760	17,877,820	12,658,563	217,516,071	288,500,286	58,325,652
1948	44	8,495	22,061,959	17,647,638	314,149,364	394,934,200	63,137,198
1949	47	9,413	26,142,276	16,852,060	336,973,056	436,796,213	82,971,097
1950	46	10,056	30,557,596	19,788,893	384,356,381	511,516,392	107,371,118

Note. Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, etc.

1. Gross value less cost of materials, fuel and electricity.

(a) The Petroleum Refining Industry - 1950

The 32 petroleum refineries which operated in Canada during 1950 were distributed by provinces as follows: 4 in Quebec, 4 in Ontario, 3 in Manitoba, 8 in Saskatchewan, 7 in Alberta, 3 in British Columbia, and 1 each in Nova Scotia, New Brunswick and Northwest Territories. The refineries which were active at the end of the year had a capacity of 358,875 barrels of crude oil per day, of which Quebec had 143,000 barrels or 40 per cent; Ontario, 75,200 barrels or 21 per cent; Alberta, 46,900 barrels or 13.1 per cent; Saskatchewan, 33,575 barrels or 9.3 per cent; British Columbia, 28,850 barrels or 8 per cent; Nova Scotia, 22,000 barrels or 6.1 per cent; Manitoba, 7,800 barrels or 2.2 per cent; the Northwest Territories, 1,250 barrels and New Brunswick, 300 barrels. The location, type and capacity of each of these refineries are recorded in the directory at the end of this report.

During the year, 2,886,676,665 gallons of imported crude oil and 933,323,159 gallons of crude oil and absorption gasoline from Canadian wells, or a total of 3,819,999,824 gallons was put through Canadian refineries, this amounting to about 83 per cent of the rated capacity. Of the total crude input, about 29 per cent was imported from the United States and nearly 47 per cent from other countries, while about 24 per cent came from Canadian wells. The total cost at refineries of all crude oil and naphtha charged to stills during the year was \$360,916,329. Stocks of crude oil held at the refineries on December 31, amounted to 172,712,344 gallons.

Refinery production of gasoline in 1950 amounted to 1,600,095,904 gallons, and in addition, the refineries used for blending about 35,838,486 gallons of imported casinghead gasoline which is not included in the Canadian production figures. The gallonage of gasoline made in 1950 was 11 per cent over 1949

which, in turn, was 18 per cent over 1948. The refinery selling value of the gasoline made during the year was \$269,252,387. Stocks of gasoline held by the refineries on December 31, included 128,020,326 gallons of motor or aviation gasoline and 2,325,470 gallons of imported casinghead gasoline. In 1950 there was an output of 15,633,440 gallons of natural gasoline from absorption plants in Alberta. This was practically all sold to refineries and is included with the gallonage charged to stills, and the refined gasoline made therefrom is included in the refinery output figures.

Imports of gasoline, including casinghead, amounted to 246,462,585 gallons during 1950, while exports, including re-exports, totalled 136,395 gallons. Sales as reported to the Bureau on a monthly basis amounted to 1,843,026,000 gallons, this figure being compiled from returns made to provincial governments in connection with tax payments.

Production of fuel and gas oils (excluding any made and used for cracking processes) totalled 1,768,784,083 gallons, of which 1,623,205,464 gallons were made for sale and 145,578,619 gallons for use as fuel in the producing plants. Imports amounted to 585,533,967 gallons and exports including re-exports, totalled 847,243 gallons. Producers' stocks of all fuel oils increased by 19,800,060 gallons to 208,343,687 at the end of the year. Consumption of fuel oils and distillate in Canada as reported by distributors and refiners amounted to 2,263,544,391 gallons in 1950.

Employment in the refining industry totalled 9,728 persons who received \$29,708,085 in salaries and wages. Expenditures for fuel and electricity amounted to \$19,759,979 and \$377,866,861 were paid out for crude oil and other processing materials.

TABLE 2. Principal Statistics of the Petroleum Products Industry by Provinces, 1949 and 1950

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1949						
Quebec.....	6	2, 192	5, 963, 285	5, 841, 580	113, 897, 599	143, 997, 735
Ontario.....	16	4, 251	11, 903, 392	5, 918, 307	101, 321, 991	141, 427, 763
Manitoba.....	3	248	497, 335	226, 958	6, 759, 563	8, 731, 894
Saskatchewan.....	7	552	1, 514, 829	1, 341, 774	30, 632, 381	34, 258, 225
Alberta.....	7	893	2, 500, 027	1, 188, 191	39, 844, 426	47, 512, 810
British Columbia.....	5	682	2, 017, 831	1, 035, 427	23, 306, 034	34, 409, 015
Nova Scotia.....	1	595	1, 745, 577	1, 299, 823	21, 211, 062	26, 458, 771
New Brunswick.....	1					
Northwest Territories.....	1					
Canada.....	47	9, 413	26, 142, 276	16, 852, 060	336, 973, 056	436, 796, 213
1950						
Quebec.....	6	2, 290	6, 872, 475	7, 332, 261	136, 482, 045	188, 665, 936
Ontario.....	14	4, 819	14, 818, 486	7, 238, 343	98, 918, 549	139, 299, 910
Manitoba.....	3	227	554, 557	274, 501	7, 565, 743	10, 572, 274
Saskatchewan.....	8	693	2, 010, 113	1, 315, 610	39, 867, 481	44, 854, 805
Alberta.....	7	905	2, 794, 239	1, 435, 285	49, 904, 232	59, 712, 985
British Columbia.....	5	565	1, 809, 293	911, 836	26, 640, 725	38, 675, 270
Nova Scotia.....	1	557	1, 698, 433	1, 281, 057	24, 977, 606	29, 735, 212
New Brunswick.....	1					
Northwest Territories.....	1					
Canada.....	46	10, 056	30, 557, 596	19, 788, 893	384, 356, 381	511, 516, 392

TABLE 3. Number and Total Capacity of Petroleum Refineries in Operation December 31, 1947-1950

Province	1947		1948		1949		1950	
	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day
Nova Scotia	1	34,000	1	25,000	1	22,000	1	22,000
New Brunswick	1	300	1	300	1	300	1	300
Quebec	4	73,000	4	107,000	4	124,000	4	143,000
Ontario	6	87,950	6	88,700	5	83,700	4	75,200
Manitoba	3	4,500	3	4,500	3	7,300	3	7,800
Saskatchewan	7	17,475	7	26,475	7	26,475	8	33,575
Alberta	6	21,300	7	35,750	7	43,200	7	46,900
British Columbia	3	22,300	3	26,650	3	28,850	3	28,850
Northwest Territories	1	1,100	1	1,100	1	1,000	1	1,250
Canada	32	261,925	33	315,475	32	336,825	32	358,875

Note. 1 Barrel = 35 Imperial gallons.

TABLE 4. Principal Statistics of the Petroleum Refining Industry, 1946-1950

Year	Number of refineries	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1946.....	30	7,048	14,657,496	10,153,100	154,714,683	221,702,376
1947.....	32	7,686	17,739,785	12,654,136	216,037,106	286,573,707
1948.....	33	8,245	21,522,698	17,605,205	308,604,948	387,169,018
1949.....	33	9,162	25,585,538	16,837,394	331,772,278	429,949,296
1950.....	32	9,728	29,708,085	19,759,979	377,866,861	503,521,097

TABLE 5. Principal Statistics of the Petroleum Refining Industry by Provinces, 1949 and 1950

Year	Number of refineries	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1949						
Quebec	4	2,180	5,941,521	5,840,881	113,691,163	143,638,473
Ontario	6	4,020	11,383,325	5,904,900	96,388,383	135,039,526
Manitoba	3	248	497,335	226,958	6,759,563	8,731,894
Saskatchewan.....	7	552	1,514,829	1,341,774	30,632,381	34,258,225
Alberta	7	893	2,500,027	1,188,191	39,844,426	47,512,810
British Columbia	3	674	2,002,924	1,034,867	23,245,300	34,309,597
Other provinces ¹	3	595	1,745,577	1,299,823	21,211,062	26,458,771
Canada	33	9,162	25,585,538	16,837,394	331,772,278	429,949,296
1950						
Quebec	4	2,277	6,845,754	7,331,391	136,241,688	188,263,794
Ontario	4	4,513	14,021,549	7,211,059	92,740,960	131,825,628
Manitoba	3	227	554,557	274,501	7,565,743	10,572,274
Saskatchewan.....	8	693	2,010,113	1,315,610	39,867,481	44,854,805
Alberta	7	905	2,794,239	1,435,285	49,904,232	59,712,985
British Columbia	3	556	1,783,440	911,076	26,569,151	38,556,399
Other provinces ¹	3	557	1,698,433	1,281,057	24,977,606	29,735,212
Canada	32	9,728	29,708,085	19,759,979	377,866,861	503,521,097

1. Includes one refinery in each of Nova Scotia, New Brunswick and Northwest Territories.

TABLE 6. Products Made in Petroleum Refineries, 1949 and 1950

Product	Unit of measure	1949		1950	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
			\$		\$
Made for sale:					
Gasoline (excluding imported casinghead blended):					
Aviation gasoline	Imp. gal.	14,223,254	3,451,067	12,806,483	3,465,199
Motor gasoline	"	1,425,801,723	230,624,688	1,586,719,750	265,666,410
Naphtha specialties	"	34,465,902	5,972,712	34,348,232	6,252,847
Tractor fuel	"	37,887,720	5,327,057	30,862,582	4,705,933
Kerosene	"	14,704,295	2,426,582	23,128,618	3,635,284
Stove oil (No. 1 fuel oil)	"	125,507,377	17,168,732	173,130,085	22,682,378
Diesel fuel	"	207,933,116	20,496,895	240,858,531	29,403,720
Light fuel oils (Nos. 2 and 3)	"	300,574,073	30,809,567	404,125,996	48,826,731
Heavy fuel oils (Nos. 4, 5 and 6)	"	694,901,759	52,370,281	751,099,652	51,939,959
Lubricating oil	"	57,484,774	19,460,855	58,274,342	19,858,450
Lubricating grease	pound	30,375,550	2,031,965	33,629,999	2,516,302
Asphalt	Imp. gal.	138,026,150	16,920,906	145,758,681	18,259,774
Petroleum coke	ton	83,908	879,096	88,087	900,521
Liquefied petroleum gases	Imp. gal.	—	323,151	5,911,866	484,131
Other products	—	—	6,281,983	—	6,895,638
Total - Made for sale	—	—	414,545,537	—	485,493,277
Made for own use:					
Motor gasoline	Imp. gal.	441,555	77,284	569,615	120,765
Naphtha specialties	"	40,858	8,090	136,779	21,024
Kerosene	"	44,990	6,835	45,610	6,598
Stove oil (No. 1 fuel oil)	"	52,594	8,892	33,868	4,368
Diesel fuel	"	673,887	84,340	501,593	63,406
Light fuel oils (Nos. 2 and 3)	"	152,050	15,510	203,729	24,726
Heavy fuel oils (Nos. 4, 5 and 6)	"	130,857,161	8,797,780	144,794,819	10,771,255
Lubricating oil	"	59,926	19,033	61,140	19,624
Asphalt	"	70,033	9,325	34,980	4,784
Petroleum coke	ton	33,461	239,138	34,104	240,082
Still gas	M cu. ft.	11,551,768	5,769,873	13,938,297	6,407,373
Other products	—	—	367,659	—	343,815
Total - Made for own use	—	—	15,403,759	—	18,027,820
Grand total	—	—	429,949,296	—	503,521,097

1. Includes candles, alkylate, naphthenic acid, etc. These items were reported by fewer than three companies, so in accordance with the provisions of the Statistics Act, the figures cannot be shown separately.

TABLE 7. Materials Used in Petroleum Refineries, 1949 and 1950

Material	Unit of measure	1949		1950	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Crude oil (under 60° A.P.I.) in its natural state, from Canadian wells	Imp. gal.	686,720,820	68,893,279	919,822,644	93,206,555
Absorption gasoline, etc., from Canadian wells (run to stills)	Imp. gal.	14,402,605	1,452,818	13,500,515	1,445,011
Crude oil, in its natural state, imported, (run to stills):					
From United States	"	1,057,941,841	100,033,264	1,087,036,962	105,332,109
From South America	"	966,725,009	85,290,837	1,070,483,696	99,327,208
From other countries	"	624,559,954	59,033,774	724,095,481	61,303,542
Crude oil, not in its natural state (run to stills)	"	17,285,695	1,441,615	5,060,526	301,904
Benzol for blending	"	1,152,206	217,619	1,255,505	248,094
Phenol	pound	862,593	115,745	669,055	87,959
Sulphuric acid, 100%	"	30,798,340	361,509	31,451,588	408,850
Sulphur	"	429,086	10,743	397,719	11,892
Caustic soda	"	8,441,652	271,811	9,946,307	329,515
Soda ash	"	817,887	22,044	1,134,921	30,307
Litharge	"	239,083	50,005	272,450	47,811
Fuller's earth, bentonite and other clays	"	26,978,000	750,841	27,632,000	757,848
Compounding materials	—	—	16,007	—	7,057
Tetraethyl fluid	c.c.	3,939,675,017	6,602,889	5,355,220,829	8,974,665
Dyes for gasoline	—	—	59,623	—	82,004
Inhibitor	—	—	235,321	—	261,227
Blending stocks for aviation gas	Imp. gal.	5,768,957	1,414,226	5,123,483	1,599,901
Other materials	—	—	3,948,546	—	2,852,453
Shipping containers	—	—	1,549,762	—	1,250,949
Total	—	—	331,772,278	—	377,866,861

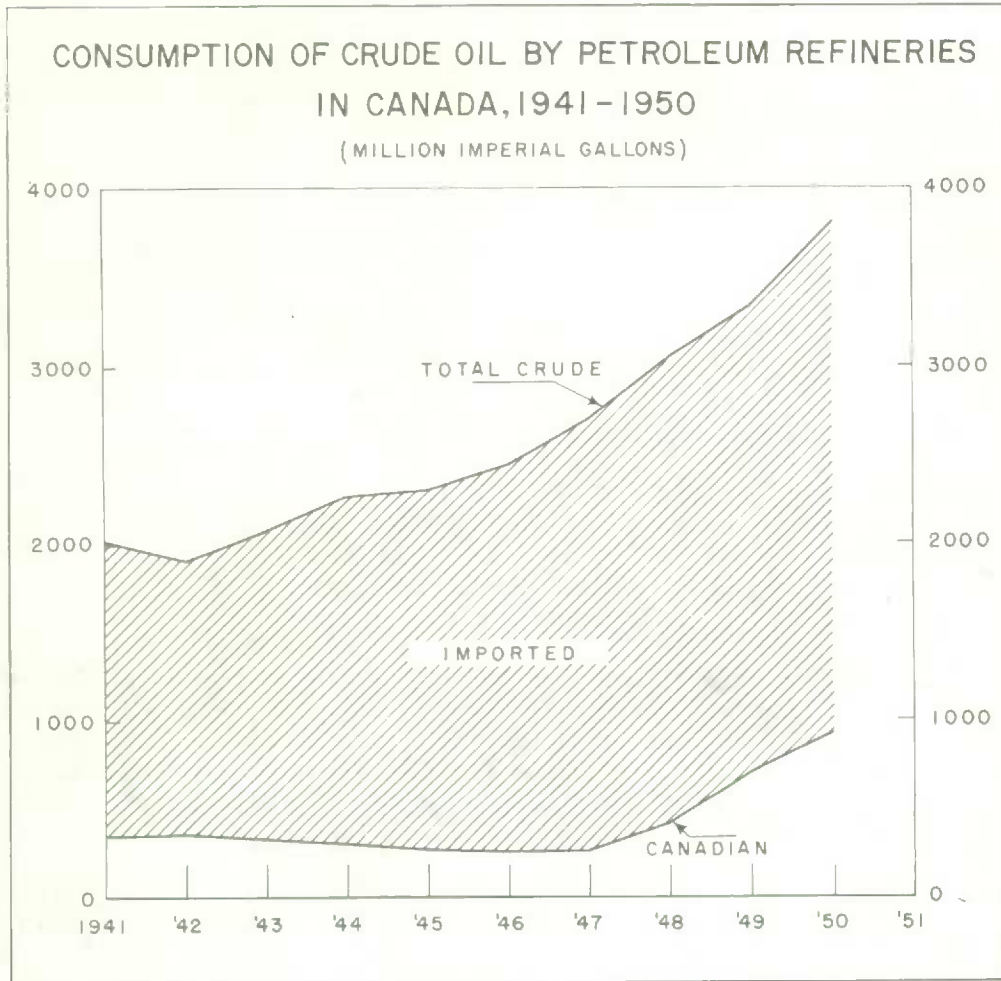


TABLE 8. Consumption of Crude Oil in Petroleum Refineries Showing Canadian and Imported, Separately, 1941-1950

Year	Canadian ¹	Imported ²	Total
1941	352,839,574	1,681,058,493	2,033,898,067
1942	359,535,738	1,551,617,151	1,911,152,889
1943	337,070,674	1,746,982,235	2,084,052,909
1944	300,536,071	1,982,671,799	2,283,207,870
1945	274,831,125	2,031,784,863	2,306,615,988
1946	250,566,210	2,227,789,282	2,478,355,492
1947	259,867,767	2,445,771,925	2,705,639,692
1948	417,958,696	2,641,208,965	3,059,167,661
1949	701,123,425	2,666,512,499	3,367,635,924
1950	933,323,159	2,886,676,665	3,819,999,824

1. Includes the crude naphtha and absorption gasoline from the Turner Valley field which was run to refinery stills.
 2. Includes reduced crude.

TABLE 9. Casinghead Gasoline Imported and Used for Blending at the Refineries, 1950 (These items not included in previous tables)

Imported natural casinghead gasoline received at the refinery during the year	Imp. gal.	28,417,378
	\$	3,699,614
Imported natural casinghead gasoline used for blending during the year	Imp. gal.	35,838,486
Total stocks of imported natural casinghead gasoline at the end of the year	Imp. gal.	2,325,470

TABLE 10. Stocks on Hand at the Refineries at the end of 1950

	Stocks on hand at refineries on December 31, 1950	Increase or decrease compared with December 31, 1949
	(Imperial gallons)	
Crude oil and naphtha, in its natural state, from Canadian wells	27,201,282	- 6,871,859
Absorption gasoline, etc., from Canadian wells	2,173,967	- 8,471,665
Crude oil, imported:		
In its natural state	143,217,036	-13,664,160
Not in its natural state	120,059	- 28,306
Total crude	172,712,344	- 29,035,990
Naphtha specialties	5,463,934	+ 1,544,242
Aviation gasoline	8,771,399	- 2,290,824
Motor gasoline	119,248,927	+ 329,191
Tractor fuel	2,152,034	- 5,332,273
Kerosene	4,045,944	- 5,127,036
Stove oil (No. 1 fuel oil)	28,471,390	- 4,265,015
Diesel fuel	27,633,618	+ 7,522,356
Light fuel oils (Nos. 2 and 3)	70,772,901	+ 8,350,368
Heavy fuel oils (Nos. 4, 5 and 6)	75,267,800	+18,651,660
Lubricating oils	13,705,194	+ 5,705,226
Total refined	355,533,141	+25,087,895

TABLE 11. Production and Producers' Sales of Crude Petroleum, by Provinces, 1949 and 1950

Province	1949			1950		
	Production	Sales	Value of sales	Production	Sales	Value of sales
	(barrels)	(barrels)	\$	(barrels)	(barrels)	\$
New Brunswick.....	19,544	19,544	27,362	16,883	17,137	23,992
Ontario	260,670	260,670	901,143	250,655	250,655	892,000
Saskatchewan	782,188	782,188	836,941	1,041,098	1,041,098	1,134,797
Alberta ¹	20,246,392	20,087,418	58,999,936	27,595,616	27,548,169	82,216,492
Northwest Territories	155,528	155,528	353,108	189,472	186,729	352,656
Canada	21,464,322	21,305,348	61,118,490	29,093,724	29,043,788	84,619,937

1. Includes natural gasoline.

TABLE 12. World Crude Oil Production, 1939 and 1949-1951

	1939	1940	1949	1951
	(Thousands of barrels daily)			
North America:				
United States	3,465.7	5,046.0	5,402.0	6,120.0
Canada	19.1	57.5	78.3	131.0
Mexico.....	162.0	167.0	199.0	210.0
North America	3,646.8	5,270.5	5,679.3	6,461.0
South America:				
Venezuela.....	567.0	1,321.4	1,498.0	1,702.0
Colombia.....	65.5	81.5	93.1	106.2
Argentina	51.0	63.5	64.0	71.0
Trinidad	52.8	56.5	56.5	56.6
Peru.....	37.1	40.5	41.2	44.0
Ecuador.....	6.3	7.2	7.4	7.4
Bolivia	0.6	1.9	1.7	1.5
Cuba	0.3	0.3	0.3	0.3
Brazil	—	0.3	0.8	2.2
Chile	—	0.4	1.6	2.0
South America and Caribbean	780.6	1,573.5	1,764.6	1,993.2
Western Hemisphere	4,427.4	6,844.0	7,443.9	8,454.2

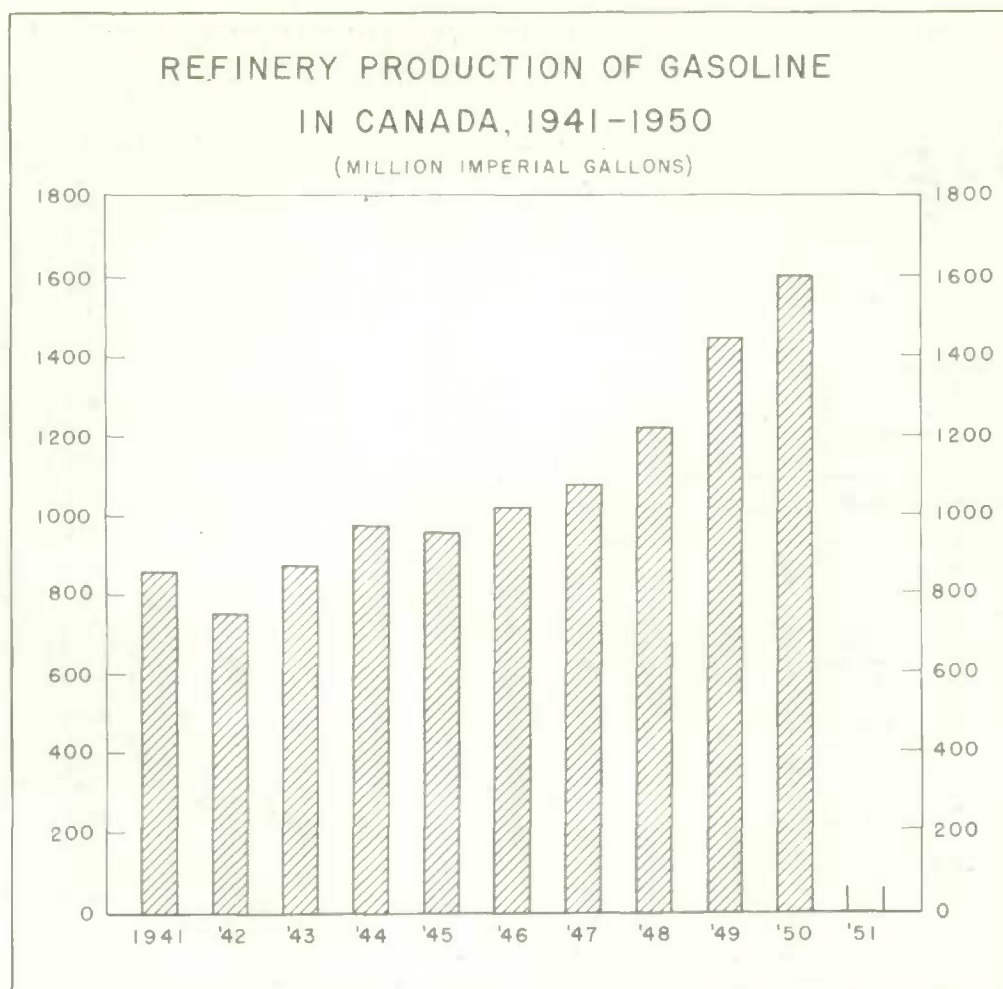
TABLE 12. World Crude Oil Production, 1939 and 1949-1951 - Concluded

	1939	1949	1950	1951
	(Thousands of barrels daily)			
Europe:				
Romania.....	128.5	85.0	89.0	89.0
Austria.....	11.7	25.0	28.4	44.0
Germany.....	12.3	16.3	21.6	27.1
Hungary.....	3.0	10.3	11.5	11.5
Poland.....	10.7	3.3	3.3	3.3
Netherlands.....	—	11.8	13.4	13.6
Albania.....	2.5	6.0	7.7	7.8
France.....	1.4	1.1	2.4	5.4
French Morocco.....	—	0.4	0.8	1.5
United Kingdom.....	0.1	0.9	0.9	0.9
Czechoslovakia.....	0.2	0.8	0.8	0.8
Yugoslavia.....	—	1.5	2.6	3.2
Italy.....	0.2	0.2	0.2	0.3
Europe excluding U.S.S.R.	170.6	162.6	182.6	208.4
U. S. S. R.	603.0	690.0	750.0	810.0
Europe	773.6	852.6	932.6	1,018.4
Near and Middle East:				
Iran.....	214.0	561.0	665.5	341.6
Saudi Arabia.....	10.8	477.0	546.7	765.0
Iraq.....	84.5	85.0	136.2	174.6
Kuwait.....	—	242.0	345.0	568.0
Bahrein.....	20.8	30.0	30.0	30.0
Qatar.....	—	—	33.7	48.4
Egypt.....	12.8	43.5	45.3	44.1
Turkey.....	—	0.3	0.2	0.3
Near and Middle East	342.9	1,438.8	1,802.6	1,972.0
Far East and Oceania				
Indonesia.....	170.0	115.9	132.5	148.4
British Borneo.....	20.0	70.5	84.8	102.0
New Guinea.....	—	4.8	4.8	4.8
India.....	—	5.3	5.3	5.2
Pakistan.....	28.0	2.6	3.5	3.1
Burma.....	—	1.0	1.6	2.0
Japan.....	7.3	3.7	5.7	6.8
China.....	—	2.0	2.0	2.0
Far East	225.3	205.8	240.2	274.3
Eastern Hemisphere	1,341.8	2,497.2	2,975.4	3,264.7
World Total	5,769.2	9,341.2	10,419.3	11,718.9

TABLE 13. Crude Oil Production by Principal Nations and Hemispheres, 1939 and 1949-1951

	1939	1949	1950	1951
	%	%	%	%
Principal Nations:				
United States.....	60.0	55.5	52.0	52.2
Venezuela.....	9.8	14.2	14.4	14.5
USSR.....	10.5	7.4	7.3	6.9
Iran.....	3.7	6.0	6.4	2.9
Saudi Arabia.....	0.2	5.1	5.3	6.5
Kuwait.....	—	2.6	3.3	5.0
Western Hemisphere	76.7	73.3	71.5	72.1
North America.....	63.2	56.5	54.6	55.1
South America.....	13.5	16.8	16.9	17.0
Eastern Hemisphere	23.3	26.7	28.5	27.9
Middle East.....	6.0	15.4	17.3	16.8
Oceania and Far East.....	4.1	2.3	2.3	2.3
Europe (including USSR).....	13.2	9.0	8.9	8.7

Source: Data for Tables 12 and 13 were extracted from "World Petroleum", January, 1952.
 Note. 1 barrel = 35 Imperial gallons.

**TABLE 14. Refinery Production¹ of Gasoline, 1941-1950**

Year	Motor gasoline	Aviation gasoline	Total
1941	802,056,916	54,791,743	856,848,659
1942	658,240,211	90,815,278	749,055,489
1943	748,780,879	120,507,358	869,288,237
1944	863,677,723	107,263,449	970,941,172
1945	933,842,039	19,174,916	953,016,955
1946	1,009,624,507	7,996,196	1,017,620,703
1947	1,065,422,068	9,127,797	1,074,549,865
1948	1,204,859,527	14,431,816	1,219,291,343
1949	1,426,243,278	14,233,254	1,440,466,532
1950	1,587,289,365	12,806,539	1,600,095,904

1. Includes production made for own use.

TABLE 15. Gross Sales of Gasoline, by Provinces, 1947-1950 (Gross Sales = sold for all purposes; net sales = sold for use in automobiles as computed from Gasoline Tax returns)

Province	1947	1948	1949	1950
	(Thousands of Imperial gallons)			
Newfoundland	—	—	1	1
Prince Edward Island.....	6,963	7,288	8,240	9,085
Nova Scotia	51,648	53,137	57,443	61,349
New Brunswick	49,936	54,186	56,686	58,815
Quebec	247,468	280,858	304,139	340,621
Ontario	501,433	562,530	623,685	687,730
Manitoba.....	83,146	90,602	104,023	112,496
Saskatchewan	142,368	147,446	168,267	176,118
Alberta	171,113	190,608	218,936	241,388
British Columbia	117,497	130,909	142,297	155,424
Total gross sales	1,371,572	1,517,563	1,683,717	1,843,026
Refunds	250,218	286,828	326,913²	343,176²
Total net sales	1,121,354	1,230,735	1,363,992³	1,508,692³

1. Not available - net sales estimated from tax revenues.

2. Newfoundland not included.

3. Includes the following for Newfoundland as estimated from tax revenues - 1949, 7,188 thousand gallons, 1950, 8,842 thousand gallons.

TABLE 16. Gross sales of Gasoline, by Months, 1947-1950

Month	1947	1948	1949	1950
	(Thousands of Imperial gallons)			
January	70,380	81,527	86,373	97,093
February	63,445	72,698	82,421	93,663
March	72,747	86,654	99,523	110,887
April	87,716	97,752	130,508	116,339
May	141,300	139,452	168,771	188,092
June	136,463	163,198	168,029	188,583
July	150,727	160,920	170,114	188,047
August	148,269	170,572	193,763	212,827
September	146,208	165,709	180,476	189,049
October	146,519	147,727	155,865	178,910
November	110,980	126,020	133,769	154,634
December	96,818	105,334	114,105	124,902
Total	1,371,572	1,517,564	1,683,717¹	1,843,026¹

1. Newfoundland not included.

TABLE 17. Gross Sales of Gasoline, by Months and by Provinces, 1950 and Totals for 1949

Month	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total ¹
	(Thousands of Imperial gallons)									
January.....	402	3,479	3,185	19,068	41,187	5,155	4,140	12,067	8,410	97,093
February.....	342	3,224	3,160	19,454	40,249	3,998	2,823	11,902	8,510	93,663
March	382	3,841	3,515	21,695	46,325	5,160	4,579	14,268	11,120	110,887
April	291	3,298	3,185	21,681	49,292	5,995	7,824	13,647	11,126	116,339
May	1,094	5,770	5,668	31,215	64,578	9,804	26,631	29,484	13,848	188,092
June	1,009	6,031	5,995	32,967	64,943	13,995	23,753	24,961	14,929	188,583
July	976	6,489	6,220	35,149	68,182	11,402	20,232	23,479	15,920	188,047
August	1,138	7,214	6,981	37,787	76,079	14,780	24,610	27,140	17,096	212,827
September.....	1,008	6,025	6,414	33,436	64,872	12,546	22,832	26,774	15,141	189,049
October.....	976	5,759	5,695	34,272	64,106	13,070	18,012	22,862	14,156	178,910
November	948	5,464	4,889	29,230	57,912	9,979	13,206	19,749	13,255	154,634
December	518	4,754	3,908	24,667	50,003	6,611	7,475	15,053	11,912	124,902
Totals for 1950	9,085	61,349	58,815	340,621	687,730	112,496	176,118	241,388	155,424	1,843,026
Totals for 1949	8,240	57,443	56,686	304,139	623,685	104,023	168,267	218,936	142,297	1,683,717

1. Newfoundland not included.

TABLE 18. Net Sales (for use in Automobiles) of Gasoline, by Provinces, 1947-1950

Province	1947	1948	1949	1950
	(Thousands of Imperial gallons)			
Newfoundland	—	—	7, 188 ¹	8, 842
Prince Edward Island	5, 280	5, 600	6, 178	6, 554
Nova Scotia	49, 340	51, 764	49, 282	50, 845
New Brunswick	42, 400	46, 841	48, 408	51, 285
Quebec	227, 276	257, 632	274, 671	307, 433
Ontario	427, 726	469, 684	522, 606	582, 212
Manitoba	56, 537	53, 901	60, 281	70, 068
Saskatchewan	62, 109	64, 842	77, 844	81, 215
Alberta	163, 941	182, 532	211, 260	231, 963
British Columbia	86, 745	97, 940	106, 274	118, 275
Canada	1, 121, 354	1, 230, 735	1, 363, 992	1, 508, 692

1. Estimated from tax revenues.

TABLE 19. Federal and Provincial Government Receipts from Gasoline Taxes, by Provinces, 1947-1950

Province	1947	1948	1949	1950
	\$	\$	\$	\$
Newfoundland	—	—	1, 006, 356	1, 251, 928
Prince Edward Island	698, 303	783, 913	855, 776	960, 238
Nova Scotia	5, 179, 763	5, 869, 246	6, 246, 491	6, 590, 526
New Brunswick	4, 200, 080	5, 191, 864	5, 535, 767	5, 731, 589
Quebec	25, 568, 671	29, 590, 885	30, 908, 312	37, 156, 111
Ontario	47, 420, 015	52, 566, 951	58, 228, 133	65, 040, 229
Manitoba	4, 592, 510	4, 890, 086	5, 291, 780	5, 997, 075
Saskatchewan	6, 399, 303	6, 641, 867	7, 882, 783	8, 331, 276
Alberta	7, 657, 915	8, 577, 567	10, 635, 059	11, 609, 189
British Columbia	9, 295, 743	10, 146, 654	11, 163, 046	12, 400, 167
Yukon	50, 497	71, 954	80, 813	78, 257
Total provincial receipts	111, 062, 820	124, 330, 987	137, 834, 316	155, 146, 585
Add Federal Government receipts	8, 605, 249 ¹	—	—	—
Total gasoline taxes	119, 668, 069	124, 330, 987	137, 834, 316	155, 146, 585

1. January to March, 1947.

TABLE 20. Revenues from Motor Vehicle Registrations and Gasoline Taxes, 1941-1950

Year	From motor vehicle registrations	From gasoline taxes	Year	From motor vehicle registrations	From gasoline taxes
	\$	\$		\$	\$
1941	31, 559, 944	77, 024, 754 ¹	1946	39, 787, 935	108, 573, 195 ¹
1942	28, 498, 676	72, 349, 746 ¹	1947	46, 004, 131	119, 668, 069 ¹
1943	30, 292, 019	70, 355, 731 ¹	1948	51, 287, 732	124, 330, 987
1944	30, 584, 711	77, 192, 353 ¹	1949	58, 205, 854	137, 834, 316
1945	32, 166, 464	87, 666, 795 ¹	1950	67, 167, 681	155, 146, 585

Note. Subsidies discontinued in 1946. Federal Government gasoline tax cancelled March 31, 1947.

1. Total tax paid by public including Provincial and Federal Government taxes but allowing for subsidies paid to provinces by Federal Government in guarantee of revenues because of gasoline rationing.

TABLE 21. Registrations of Motor Vehicles, by Provinces, 1947-1950

Province	1947	1948	1949	1950
	(Number)			
Newfoundland	—	—	13,981	16,375
Prince Edward Island	9,948	11,290	13,211	15,383
Nova Scotia	70,300	76,319	83,443	94,743
New Brunswick	51,589	62,366	67,280	74,415
Quebec	296,547	335,953	384,733	433,701
Ontario	800,058	874,933	970,137	1,104,080
Manitoba	112,149	128,000	139,836	157,546
Saskatchewan	158,512	167,515	185,027	199,866
Alberta	155,386	173,950	200,428	230,624
British Columbia	179,684	202,126	230,008	270,312
Yukon and Northwest Territories	1,786	2,491	2,544	3,224
Canada	1,835,959	2,034,943	2,290,628	2,600,269

TABLE 22. Registrations of Motor Vehicles, by Types, 1950

Province	Passenger cars	Motor trucks	Motor buses	Motor cycles	Tractors	Other motor vehicles	Total
	(Number)						
Newfoundland	10,907	4,453	381	319	160	155	16,375
Prince Edward Island	10,392	3,615	25	81	1,270	—	15,383
Nova Scotia	62,417	27,333	473	1,647	2,873	—	94,743
New Brunswick	48,890	18,818	382	1,464	3,214	1,647	74,415
Quebec	302,811	102,689	2,748	16,122	8,699	632	433,701
Ontario	881,143	205,616	3,612	13,709	1	—	1,104,080
Manitoba	110,998	41,188	191	1,994	2,312	863	157,546
Saskatchewan	129,302	69,073	127	1,224	1	140	199,866
Alberta	150,546	75,671	450	2,473	1	1,484	230,624
British Columbia	198,397	65,705	1	4,609	1,601	—	270,312
Yukon and Northwest Territories	1,124	1,910	28	28	28	106	3,224
Canada	1,906,927	616,071	8,417	43,670	20,157	5,027	2,600,269

1. Included with trucks.

TABLE 23. Petroleum Coke: Deliveries for Consumption, 1949 and 1950 (Used as fuel only — not as manufacturing materials)

Fuel for domestic and industrial heating	1949	1950
	(Tons)	
Atlantic Provinces	37	18
Quebec	10,355	655
Ontario	59,967	22,808
Manitoba	—	—
Saskatchewan	877	—
Alberta and Northwest Territories	—	—
British Columbia and Yukon	—	—
Total	71,236	23,481

TABLE 24. Fuel Oil and Distillate Deliveries: Deliveries for Consumption, by Provinces, 1950 and Totals for 1946-1949 (As reported by Distributors and Refiners - Imperial gallons - Calendar Years)

No.		Atlantic Provinces	Quebec	Ontario	Manitoba
		(Imperial gallons)			
1	(a) Heavy and Medium Fuel Oils (Nos. 6, 5 and 4):				
1	For heating homes and buildings and for lighting and cooking.	4, 291, 579	51, 418, 216	20, 284, 964	5, 622, 142
2	For consumption under refinery boilers	17, 726, 290	66, 918, 157	80, 169, 574	4, 750, 834
3	For electric light plants	2, 402, 540	—	—	124, 776
4	For industrial purposes, as fuel or material	39, 044, 088	110, 690, 984	166, 141, 442	7, 758, 299
5	For tractors and other motor vehicles, as fuel	—	—	—	—
6	To railways	15, 165, 152	7, 070, 332	4, 842, 652	4, 461, 450
7	To ships for bunkering	47, 037, 974	98, 629, 792	15, 091, 192	—
8	For unspecified uses	—	—	—	—
9	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):				
10	For heating homes and buildings and for lighting and cooking.	43, 434, 541	133, 102, 134	224, 748, 864	12, 044, 282
11	For electric light plants	—	56, 668	—	—
12	For industrial purposes, as fuel or material	4, 748, 139	19, 064, 885	17, 874, 310	579, 884
13	For tractors and other motor vehicles, as fuel	—	141, 067	1, 541, 445	134, 880
14	To railways	385, 570	781, 040	264, 046	1, 201, 474
15	To ships and boats, as fuel	15, 460	517, 771	177, 015	—
16	For unspecified uses	—	831, 266	3, 242, 302	—
17	Total deliveries of furnace oils, all uses	48, 583, 710	154, 494, 831	247, 847, 982	13, 960, 520
	(c) Diesel Fuel:				
18	For heating homes and buildings and for lighting and cooking.	331, 339	630, 389	1, 330, 933	31, 137
19	For electric light plants	4, 250, 000	606, 634	484, 859	394, 767
20	For industrial purposes, as fuel or material	4, 989, 301	3, 185, 826	7, 145, 800	1, 594, 585
21	For tractors and other motor vehicles, as fuel	3, 892, 850	7, 830, 425	15, 409, 399	5, 685, 413
22	To railways	2, 157, 259	3, 404, 636	9, 813, 416	1, 165, 888
23	To ships and boats, as fuel	15, 196, 806	14, 060, 322	3, 512, 406	—
24	For unspecified uses	900, 000	882, 336	1, 569, 432	—
25	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:				
26	For heating homes and buildings and for lighting and cooking.	35, 523, 778	102, 251, 999	56, 637, 816	8, 056, 344
27	To railways	238, 769	202, 257	601, 737	42, 184
28	For electric light plants	—	1, 121	61, 387	100, 000
29	For industrial purposes, as fuel or material	85, 447	1, 177, 717	3, 508, 224	14, 126
30	For tractors and other motor vehicles, as fuel	—	1, 116, 596	5, 289, 094	9, 477, 727
31	For unspecified uses	1, 422, 979	510, 657	1, 519, 909	—
32	Total deliveries of section (d), all uses.....	37, 270, 973	105, 260, 347	67, 618, 167	17, 690, 381
33	Total all fuels	243, 239, 861	625, 083, 227	641, 262, 208	63, 300, 192
34	Total All Fuels: 1949	229, 242, 858	515, 836, 291	508, 881, 995	50, 529, 076
35	1948	185, 847, 559	488, 950, 975	502, 841, 132	44, 948, 525
36	1947	181, 129, 176	450, 481, 073	499, 222, 723	42, 761, 893
37	1946	141, 308, 068	330, 054, 644	377, 869, 730	33, 112, 167

Note: 1. Newfoundland not included in Atlantic Provinces prior to 1949.

2. Amounts recorded respectively for domestic, industrial, and tractor purposes were for actual Consumption within the areas indicated; those recorded under railways and bunkering were taken from, or accepted at delivery points within these areas, but were consumed by carriers where required.

TABLE 24. Fuel Oil and Distillate Deliveries: Deliveries for Consumption, by Provinces, 1950 and Totals for 1946-1949 (As reported by Distributors and Refiners - Imperial gallons - Calendar Years)

Saskatchewan	Alberta and Northwest Territories	British Columbia and Yukon	Canada		Canada		No.
			1950	Per cent of section total	1949	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	1
20,791,536	24,621,598	14,271,984	229,249,973	19.0	179,766,545	16.9	2
23,064,150	170,639	6,384,714	32,146,819	2.7	19,732,417	1.8	3
1,382,395	6,325,828	71,864,282	403,207,318	33.4	382,415,506	35.9	4
-	66,488	-	66,488	-	40,219	-	5
43,812,514	118,285,800	29,480,809	223,118,709	18.5	163,088,280	15.3	6
-	736,033	45,069,527	206,564,518	17.1	225,945,571	21.2	7
43	-	-	43	-	842,875	.1	8
96,143,932	150,692,686	190,417,948	1,206,896,995	100.0	1,064,678,074	100.0	9
18,363,523	4,180,707	38,575,648	474,449,699	89.0	327,272,779	89.9	10
226,277	-	-	282,945	-	327,868	-	11
140,826	970,653	1,756,239	45,134,936	8.5	31,501,320	8.8	12
1,302,337	-	-	3,119,729	.6	1,518,911	.3	13
152,055	249,107	147,981	3,181,273	.6	2,483,932	.7	14
-	-	-	710,246	.1	410,460	.1	15
657,831	-	1,988,133	6,719,532	1.2	731,254	.2	16
20,842,849	5,400,467	42,468,001	533,598,360	100.0	364,246,424	100.0	17
4,383,597	676,054	-	7,443,439	3.7	25,387,967	12.7	18
3,149,784	786,577	2,021,209	11,693,830	5.8	12,946,613	6.6	19
-	16,408,643	13,348,275	46,672,430	22.9	42,920,511	21.9	20
10,285,520	7,784,812	7,346,322	58,234,741	28.5	53,821,161	27.5	21
342,779	5,605,845	1,980,309	24,470,132	12.0	13,762,360	7.1	22
-	500,955	14,619,124	47,889,613	23.5	45,640,279	23.5	23
-	-	4,000,000	7,351,768	3.6	1,461,471	.7	24
18,161,680	31,762,886	43,315,239	203,755,953	100.0	195,940,362	100.0	25
9,301,987	12,451,399	44,787,954	269,011,277	84.2	210,178,754	80.8	26
15,205	91,711	63,451	1,255,314	.5	1,427,455	.4	27
-	5,021	-	167,529	-	112,836	-	28
29,066	1,069,984	1,849,255	7,733,819	2.4	3,209,540	1.2	29
13,593,350	7,570,183	466,197	37,513,147	11.7	44,437,458	17.0	30
-	-	158,452	3,611,997	1.2	1,675,071	.6	31
22,939,608	21,188,298	47,325,309	319,293,083	100.0	261,041,114	100.0	32
158,088,069	209,044,337	323,526,497	2,263,544,391	100.0	1,885,905,974	100.0	33
128,907,084	144,486,082	308,022,588	1,885,905,974	-	-	-	34
96,223,977	120,996,569	315,354,244	1,755,162,981	-	-	-	35
87,500,092	96,982,750	299,096,420	1,657,174,127	-	-	-	36
67,532,214	91,201,704	233,998,281	1,275,076,808	-	-	-	37

Note: 1. Newfoundland not included in Atlantic Provinces prior to 1949.
 2. Amounts recorded respectively for domestic, industrial, and tractor purposes were for actual Consumption within the areas indicated; those recorded under railways and bunkering were taken from, or accepted at delivery points within these areas, but were consumed by carriers where required.

(b) Manufacture of Lubricating Oils and Greases
(other than in Refineries), 1950

Fourteen Canadian factories were occupied chiefly in compounding lubricating oils and greases in Canada during 1950. Ten of these plants were located in Ontario, 2 in Quebec and 2 in British Columbia.

They gave work to a total of 328 people who were paid \$849,511 as salaries and wages. Purchases of processing materials and containers cost \$6,489,520. Included in the year's output were lubricating oils

at \$6,614,715, lubricating greases at \$1,198,837 and soaps or soap powders at \$57,590.

Total Canadian output of lubricating oils, including production from the refineries amounted to 69,798,333 gallons in 1950 against 67,548,396 gallons in 1949. Corresponding figures for lubricating greases totalled 46,816,321 pounds in 1950 and 43,995,012 pounds in 1949. Sales of lubricating oils as reported by principal dealers amounted to 70,427,000 gallons in 1950, while sales of lubricating greases totalled 66,719,000 pounds.

TABLE 25. Principal Statistics of the Lubricating Oils and Greases Industry, 1946-1950

Year	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1946	13	97	191,645	5,925	1,104,061	1,723,004
1947	14	74	138,035	4,427	1,478,965	1,926,579
1948	11	250	539,261	42,433	5,544,416	7,765,182
1949	14	251	556,738	14,666	5,200,778	6,846,917
1950	14	328	849,511	28,914	6,489,520	7,995,295

TABLE 26. Principal Statistics of the Lubricating Oils and Greases Industry, by Provinces, 1949 and 1950

Province	Number of plants	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1949						
Ontario	10	231	520,067	13,407	4,933,608	6,388,237
Quebec	2	20	36,671	1,259	267,170	458,680
British Columbia	2					
Canada	14	251	556,738	14,666	5,200,778	6,846,917
1950						
Ontario	10	306	796,937	27,284	6,177,589	7,474,282
Quebec	2	22	52,574	1,630	311,931	521,013
British Columbia	2					
Canada	14	328	849,511	28,914	6,489,520	7,995,295

TABLE 27. Products made in the Lubricating Oils and Greases Industry, 1949 and 1950

Product	Unit of measure	1949		1950	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
			\$		\$
Greases, lubricating	pound	13,619,462	1,524,720	13,186,322	1,198,837
Oils, lubricating	gallon	10,003,696	5,158,316	11,523,991	6,614,715
Soaps and Powders	—	—	53,419	—	57,590
All other products	—	—	110,462	—	124,153
Total.....	—	—	6,846,917	—	7,995,295

TABLE 28. Materials used in Lubricating Oils and Greases Industry, 1949 and 1950

Material	Unit of measure	1949		1950	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Compounding stocks (oils, etc.).....	Imp. gal.	10,143,400	3,550,574	12,346,557	4,332,862
Tallow and grease	lb.	13,927	1,756	76,043	7,666
All other materials	—	—	916,641	—	1,340,789
Shipping containers	—	—	731,807	—	808,203
Total.....	—	—	5,200,778	—	6,489,520

TABLE 29. Sales of Lubricating Oils, 1949 and 1950 (As reported by principal dealers)

Province	Motor transport and tractor crankcase oil	Aircraft crankcase oils	Other oils (industrial, etc.)	Total all purposes
(Imperial gallons)				
1949				
Newfoundland	408,000	96,000	342,000	846,000
Maritimes	2,818,000	59,000	1,773,000	4,650,000
Quebec	7,411,000	155,000	4,779,000	12,345,000
Ontario	14,682,000	180,000	13,681,000	28,543,000
Manitoba	2,717,000	74,000	1,439,000	4,230,000
Saskatchewan	4,438,000	12,000	255,000	4,705,000
Alberta	5,266,000	55,000	727,000	6,048,000
British Columbia (including Yukon).....	3,916,000	79,000	1,965,000	5,960,000
Total - Canada.....	41,656,000	710,000	24,961,000	67,327,000
1950				
Newfoundland	449,000	105,000	379,000	933,000
Maritimes	3,250,000	71,000	1,510,000	4,831,000
Quebec	7,052,000	168,000	5,392,000	12,612,000
Ontario	15,145,000	187,000	14,910,000	30,242,000
Manitoba	2,743,000	80,000	1,505,000	4,328,000
Saskatchewan	4,397,000	12,000	317,000	4,726,000
Alberta	5,440,000	73,000	818,000	6,331,000
British Columbia (including Yukon).....	4,149,000	100,000	2,175,000	6,424,000
Total - Canada.....	42,625,000	796,000	27,006,000	70,427,000

TABLE 30. Sales of Lubricating Greases, 1949 and 1950 (As reported by principal dealers)

	Automotive	Industrial	Total
	(pounds)		
1949			
Newfoundland.....	162,000	102,000	264,000
Maritimes.....	2,218,000	1,660,000	3,878,000
Quebec.....	6,108,000	4,902,000	11,010,000
Ontario.....	13,530,000	8,275,000	21,805,000
Manitoba.....	4,116,000	1,763,000	5,879,000
Saskatchewan.....	7,828,000	413,000	8,241,000
Alberta.....	6,614,000	1,450,000	8,064,000
British Columbia (including Yukon).....	2,810,000	1,358,000	4,168,000
Total - Canada.....	43,386,000	19,923,000	63,309,000
1950			
Newfoundland.....	188,000	116,000	304,000
Maritimes.....	2,850,000	1,473,000	4,323,000
Quebec.....	6,820,000	5,012,000	11,832,000
Ontario.....	14,811,000	9,793,000	24,604,000
Manitoba.....	3,658,000	1,718,000	5,376,000
Saskatchewan.....	7,372,000	317,000	7,689,000
Alberta.....	6,615,000	1,052,000	7,667,000
British Columbia (including Yukon).....	3,468,000	1,456,000	4,924,000
Total - Canada.....	45,782,000	20,937,000	66,719,000

TABLE 31. Imports of Petroleum, Asphalt and Their Products, 1949 and 1950

Item	1949		1950		
	Quantity	Value	Quantity	Value	
Asphaltum or asphalt, solid or not.....	cwt.	441,949	\$ 871,093	425,285	\$ 966,246
Asphalt oil for paving.....	gal.	—	—	81,592	9,609
Oil, imported by miners or mining companies, for the concentration of ores or metals.....	gal.	150,423	108,795	164,621	139,759
Crude petroleum for refining .8155 specific gravity (42.0 A.P.I.) or heavier at 60°Fah.....	M gal.	2,587,709	189,363,805	2,752,700	200,505,509
Crude petroleum, n.o.p.....	gal.	430,500	32,476	416,545	32,166
Fuel oil, ex-warehoused, for ships' stores.....	gal.	13,327,449	669,887	10,695,294	442,869
Kerosene, n.o.p.....	gal.	36,618,392	3,687,650	15,722,711	1,855,875
Engine distillate .8017 specific gravity or heavier at 60°Fah.....	gal.	1,236,878	166,887	166,010	23,506
Gasoline, lighter than .8236 specific gravity at 60°Fah.....	gal.	215,340,198	31,209,682	167,981,073	26,300,584
Aviation gasoline.....	gal.	43,301,850	8,963,945	50,670,780	10,450,332
Natural casinghead, compression or absorption gasoline lighter than .6690 specific gravity (80.0 A.P.I.) at 60°Fah, when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada.....	gal.	49,363,120	5,082,866	27,810,732	3,008,562
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon.....	gal.	9,538,199	1,725,916	9,233,616	1,770,521
Lubricating oils costing 25 cents or more per gallon ..	gal.	6,925,888	2,943,839	8,476,712	3,544,547
Oils, mineral, n.o.p.....	gal.	837,318	984,378	1,245,142	1,254,455
Stove oil, No. 1 fuel oil.....	gal.	49,473,310	5,015,267	84,244,844	9,340,251
Light fuel and furnace oils, Nos. 2 and 3.....	gal.	38,912,347	3,456,260	142,824,141	14,169,757
Heavy fuel oils, Nos. 4, 5 and 6.....	gal.	98,093,110	5,123,750	260,643,818	14,806,731
Diesel fuel.....	gal.	38,465,627	3,863,056	71,225,969	7,147,308
Tractor fuel.....	gal.	38,626	5,515	11,180	1,713
Petroleum greases and lubricating greases, n.o.p.....	lb.	10,996,214	972,014	12,484,089	1,056,738
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes.....	—	—	590,822	—	625,346
Paraffin wax.....	lb.	24,282,584	1,614,209	29,793,532	2,209,701
Paraffin wax candles.....	lb.	236,047	67,077	186,251	61,842
Naphtha, including solvent naphtha.....	gal.	3,924,515	816,982	5,453,297	1,176,666
Products of petroleum n.o.p., lighter than .8236 specific gravity at 60°Fah.....	gal.	4,043,863	1,325,334	2,707,131	1,355,302
Liquefied petroleum gases.....	lb.	142,506,357	2,360,680	155,476,354	2,249,203
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60°Fah, when imported by oil refiners to be refined.....	gal.	60,695,952	3,641,419	51,237,531	3,458,423

TABLE 32. Exports of Petroleum and Its Products, 1949 and 1950

Item	1949		1950	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude..... gal.	—	—	—	—
Oil, coal and kerosene, refined gal.	167,938	24,807	147,973	33,365
Gasoline and naphtha..... gal.	2,019,342	291,361	123,860	31,124
Fuel oil gal.	25,265,609	1,855,198	640,429	88,121
Lubricating oil gal.	124,041	108,913	63,861	53,967
Oil, mineral, n.o.p..... gal.	418,226	34,953	418,766	52,777
Wax, mineral cwt.	51,034	273,023	7,536	39,819

TABLE 33. Employees and Their Earnings in the Lubricating Oils and Greases Industry, 1949 and 1950

Province	Number of employees				Total	Earnings		
	Supervisory and office		Production workers			Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
1949						\$	\$	\$
Ontario	59	12	157	3	231	188,665	331,402	520,067
Other provinces	6	4	10	—	20	15,757	20,914	36,671
Canada	65	16	167	3	251	204,422	352,316	556,738
1950								
Ontario	68	18	215	5	306	198,409	598,528	796,937
Other provinces	5	4	13	—	22	23,715	28,359	52,574
Canada	73	22	228	5	328	222,124	627,387	849,511

TABLE 34. Employees and Their Earnings in Petroleum Refineries, 1949 and 1950

Province	Number of employees				Total	Earnings		
	Supervisory and office		Production workers			Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
1949						\$	\$	\$
Quebec.....	453	56	1,662	9	2,180	1,608,261	4,333,260	5,941,521
Ontario.....	968	313	2,688	51	4,020	4,262,340	7,120,985	11,383,325
Manitoba.....	53	17	173	5	248	175,057	322,278	497,335
Saskatchewan.....	98	14	435	5	552	351,901	1,162,928	1,514,829
Alberta.....	148	27	714	4	893	614,136	1,885,891	2,500,027
British Columbia.....	151	52	471	—	674	627,108	1,375,816	2,002,924
Other provinces.....	95	30	464	6	595	425,262	1,320,315	1,745,577
Canada.....	1,966	509	6,607	80	9,162	8,064,065	17,521,473	25,585,538
1950								
Quebec.....	477	68	1,721	11	2,277	1,882,887	4,962,867	6,845,754
Ontario.....	1,562	498	2,413	40	4,513	7,098,326	6,923,223	14,021,549
Manitoba.....	48	52	127	—	227	238,707	315,850	554,557
Saskatchewan.....	162	49	479	3	693	646,205	1,363,908	2,010,113
Alberta.....	191	45	566	3	905	844,146	1,950,093	2,794,239
British Columbia.....	101	13	442	—	556	444,518	1,338,922	1,783,440
Other provinces.....	80	27	438	12	557	391,535	1,306,898	1,698,433
Canada.....	2,621	752	6,286	69	9,728	11,546,324	18,161,761	29,708,085

Directory of Operating Petroleum Refineries, 1950

Name of Company	Location of refinery	Crude oil capacity	Type of refinery	Cracking plant	
				Type	Capacity
		Bbl. per 24 hours			Bbl. per 24 hours
Nova Scotia:					
Imperial Oil Limited	Imperoyal	22,000	S-C	Thermal and Catalytic	10,000
New Brunswick:					
New Brunswick Oilfields Ltd.	Weldon.....	300	S	—	—
Quebec:					
British American Oil Co. Limited	Montreal East	32,000	S-C	Thermal and Catalytic	20,850
Imperial Oil Limited	Montreal East	44,000	S-C	Thermal and Catalytic	23,700
McCull-Fontenac Oil Co. Limited	Montreal East	45,000	S-C	Thermal and Catalytic	30,000
Shell Oil Company of Canada Ltd.....	Montreal East	22,000	S-C	Thermal and Catalytic	17,500
Ontario:					
Canadian Oil Companies Limited	Petrolia	3,700	S-C	Thermal	2,150
Imperial Oil Limited	Sarnia.....	55,500	S-C	Thermal and Catalytic	27,000
British American Oil Co. Limited	Clarkson	10,000	S-C	Thermal	4,500
Trinidad Leaseholds (Canada) Limited	Port Credit...	6,000	S-C	Thermal	3,000
Manitoba:					
Anglo-Canadian Oils Ltd	Brandon	2,300	S-C	Thermal	1,100
North Star Oil Limited.....	St. Boniface..	4,500	S-C	Thermal	2,000
Radio Oil Refineries Ltd	East Kildonan	1,000	S	—	—
Saskatchewan:					
British American Oil Co. Limited	Moose Jaw....	6,000	S-C	Thermal	2,000
Saskatchewan Federated Cooperatives	Regina.....	2,400	S-C	Thermal	1,100
Hi-Way Refineries Limited.....	Saskatoon ...	2,800	C	Thermal	600
Hi-Way Refineries Limited	Rosetown ...	275	S	—	—
Imperial Oil Limited	Regina	20,000	S-C	Thermal	9,700
Moose Jaw Refineries Ltd	Moose Jaw....	1,000	S	—	—
Northern Petroleum Corporation, Ltd	Kamsack	600	S	—	—
Prince Albert Refineries Ltd.....	Prince Albert	500	S	—	—
Alberta:					
British American Oil Co. Limited.....	Calgary	7,200	S-C	Thermal	2,500
Gas and Oil Refineries Limited	Hartell	3,000	S-C	Thermal	1,500
Imperial Oil Limited	Calgary	9,200	S-C	Thermal	4,600
Imperial Oil Limited	Edmonton ...	20,700	S-C	Thermal	8,500
Excelsior Refineries Ltd.	Lloydminster	1,500	S-C	Thermal	—
Husky Oil & Refining, Ltd.	Lloydminster	5,000	S	—	—
Wainwright Refineries Ltd.	Wainwright...	300	S	—	—
British Columbia:					
Imperial Oil Limited	Ioco	12,000	S-C	Thermal	2,750
Shell Oil Company of Canada Ltd.	Vancouver....	8,500	S-C	Thermal	2,700
Standard Oil Company of British Columbia Ltd.	Burnaby	8,350	S	—	—
Northwest Territories:					
Imperial Oil Limited	Norman Wells	1,250	S	—	—

Note. S—Skimming. C—Cracking.

Directory of Plants Engaged in the Compounding of Lubricating Oils and Greases, 1950

Name of Company	Location of Plant
Quebec:	
Chapman, L.L. and W.H.	Champlain St., Gatineau Point
Tide Water Associated Oil Company (Canada) Ltd.	9500 St. Lawrence Blvd., Montreal
Ontario:	
Campbell Lubricating Specialties, Ltd.	414 Eastern Ave., Toronto
Canadian Oil Companies, Limited	Petrolia
Hastings Ltd.	Colebrook
Hollingshead, R.M., Co. of Canada, Ltd.	Bowmanville
The Kearns Co. of Canada	226 Weston Road, Toronto
McColl-Frontenac Oil Co. Ltd.	Toronto
Miracle Products Co. Ltd.	194 John St. S., Hamilton
Ontario Gasoline & Oil Limited	45 Dickens St., Toronto
Ontario Lubricating Company Ltd.	120 Chatham St., Hamilton
Tide Water Associated Oil Company (Canada) Ltd.	55 Wade Ave., Toronto
British Columbia:	
Bardahl Lubricants (Western) Ltd.	5405 West Boulevard, Vancouver
Renton Distributors Ltd.	550 Beatty St., Vancouver



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