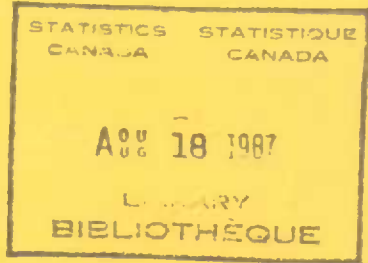


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GOVERNMENT OF CANADA



THE PETROLEUM PRODUCTS INDUSTRY  
1951



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THE PETROLEUM PRODUCTS INDUSTRY  
1951

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## NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries, **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

I—General Review of the Manufacturing Industries, \$1.50.

II—The Manufacturing Industries, by Provinces

Section 1. Principal Statistics of Major Industrial Groups and Leading Industries, 50¢.

Section 2. Principal Statistics of Individual Industries, 75¢.

Section 3. Principal Statistics by Regional Distribution, 75¢.

III—Foods and Beverages

IV—Tobacco and Tobacco Products

V—Rubber Products

VI—Leather Products

VII—Textiles

VIII—Wood and Paper Products

IX—Printing Trades

X—Iron and Steel Products

XI—Transportation Equipment

XII—Non-ferrous Metal Products

XIII—Electrical Apparatus and Supplies

XIV—Non-metallic Mineral Products

XV—Products of Petroleum and Coal

XVI—Chemicals and Allied Products

XVII—Miscellaneous Manufactures

The present report belongs in Part XV, 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

## 1951

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-six refineries and 16 blending plants, or a total of 52 works, reported under this category in 1951 and the aggregate value of production was \$598,940,516, an increase of 17.1 per cent over the 1950 total of \$511,516,392.

Output figures for 1951 included \$587,852,999 for petroleum refineries and \$11,087,517 for concerns engaged in blending oils and greases, against corresponding totals in 1950 of \$503,521,097 and \$7,995,295 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, 1947-1951**

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 <sup>1</sup> value of production
			\$	\$	\$	\$	\$
<b>Petroleum refining:</b>							
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
1951 .....	36	10,280	36,105,853	24,522,328	430,303,236	587,852,999	133,027,435
<b>Compounding oils and greases:</b>							
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
1951 .....	16	331	972,773	48,527	8,163,903	11,087,517	2,875,087
<b>TOTAL:</b>							
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
1951 .....	52	10,611	37,078,626	24,570,855	438,467,139	598,940,516	135,902,522

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 selling value of products less cost of materials, fuel and electricity.

TABLE 2. Principal Statistics of the Petroleum Products Industry by Provinces, 1950 and 1951

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
			\$	\$	\$	\$
<b>1950</b>						
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					
<b>Canada .....</b>	<b>46</b>	<b>10,056</b>	<b>30,557,596</b>	<b>19,788,893</b>	<b>384,356,381</b>	<b>511,516,392</b>
<b>1951</b>						
Quebec .....	7	2,435	8,536,072	10,125,726	181,887,987	247,592,260
Ontario .....	14	4,907	17,458,996	8,180,921	104,000,618	153,525,619
Manitoba .....	4	358	1,113,217	781,267	17,192,300	21,061,570
Saskatchewan .....	8	764	2,470,190	1,395,650	36,189,669	46,902,653
Alberta .....	10	1,028	3,513,101	1,747,799	48,887,865	62,722,116
British Columbia .....	6	579	2,100,645	1,078,174	28,503,586	41,903,272
Nova Scotia .....	1	540	1,886,405	1,261,318	21,805,114	25,233,026
New Brunswick .....	1					
Northwest Territories .....	1					
<b>Canada .....</b>	<b>52</b>	<b>10,611</b>	<b>37,078,626</b>	<b>24,570,855</b>	<b>438,467,139</b>	<b>598,940,516</b>

## (a) The Petroleum Refining Industry, 1951

The 36 petroleum refineries which operated in Canada during 1951 were distributed by provinces as follows: 4 in Quebec, 4 in Ontario, 4 in Manitoba, 8 in Saskatchewan, 10 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 411,250 barrels of crude oil per day of which Quebec had 160,000 barrels or 38.9 per cent; Ontario, 79,400 barrels or 19.3 per cent; Alberta, 60,550 barrels or 14.7 per cent; Saskatchewan, 38,400 barrels or 9.3 per cent; British Columbia, 28,850 barrels or 7.0 per cent; Nova Scotia, 22,000 barrels or 5.3 per cent; Manitoba, 20,500 barrels or 5.0 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 2,947,368,272 gallons of imported crude oil and 1,500,254,636 gallons of crude oil and absorption gasoline from Canadian wells, or a total of 4,447,622,908 gallons was put through Canadian refineries, this amounting to about 85 per cent of the rated year-end capacity. Of the total crude input about 17 per cent was imported from the United States and nearly 49 per cent from other countries while about 34 per cent came from Canadian wells. The total cost at refineries of all crude oil and naphtha charged to stills during the year was \$411,159,374. Stocks of crude oil held at the refineries on December 31 amounted to 291,261,108 gallons.

Refinery production of gasoline amounted to 1,844,307,591 gallons, and, in addition, the refineries used for blending about 23,868,395 gallons of imported casinghead gasoline which is not included in the Canadian production figures. The

gallage of gasoline made in 1951 was 15 per cent over 1950 which, in turn, was 11 per cent over 1949. The refinery selling value of the gasoline made during the year was \$300,224,288. Stocks of gasoline held by the refineries on December 31, included 185,936,817 gallons of motor or aviation gasoline and 956,375 gallons of imported casinghead gasoline. In 1951 there was an output of 18,025,945 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 202,565,570 gallons during 1951, while exports, including re-exports, totalled 215,133 gallons. Sales as reported to the Bureau on a monthly basis, amounted to 2,049,812,000 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 2,072,517,132 gallons of which 1,906,314,089 gallons were made for sale and 166,203,043 gallons for use as fuel in the producing plants. Imports amounted to 708,248,370 gallons and exports, including re-exports, totalled 276,009 gallons. Producers' stocks of all fuel oils increased by 87,248,235 gallons to 295,591,922 at the end of the year. Consumption of fuel oils and distillate in Canada, as reported by distributors and refiners, amounted to 2,640,527,061 gallons in 1951.

Employment in the refining industry totalled 10,280 persons who received \$36,105,853 in salaries and wages. Expenditures for fuel and electricity amounted to \$24,522,328 and \$430,303,236 were paid out for crude oil and other processing materials.

TABLE 3. Number and Total Capacity of Petroleum Refineries in Operation December 31, 1948-1951

Province	1948		1949		1950		1951	
	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	25,000	1	22,000	1	22,000	1	22,000
New Brunswick .....	1	300	1	300	1	300	1	300
Quebec .....	4	107,000	4	124,000	4	143,000	4	160,000
Ontario .....	6	88,700	5	83,700	4	75,200	4	79,400
Manitoba .....	3	4,500	3	7,300	3	7,800	4	20,500
Saskatchewan .....	7	26,475	7	26,475	8	33,575	8	38,400
Alberta .....	7	35,750	7	43,200	7	46,900	10	60,530
British Columbia .....	3	26,650	3	28,850	3	28,850	3	28,850
Northwest Territories .....	1	1,100	1	1,000	1	1,250	1	1,250
<b>Canada .....</b>	<b>33</b>	<b>315,475</b>	<b>32</b>	<b>336,825</b>	<b>32</b>	<b>358,875</b>	<b>36</b>	<b>411,250</b>

Note. 1 Barrel = .35 Imperial gallons.

TABLE 4. Principal Statistics of the Petroleum Refining Industry, 1947-1951

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
			\$	\$	\$	\$
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	429,849,296
1950 .....	32	9,728	29,708,085	19,759,979	377,866,861	503,521,097
1951 .....	35	10,280	36,105,853	24,522,328	430,303,236	587,852,999

TABLE 5. Principal Statistics of the Petroleum Refining Industry by Provinces, 1950 and 1951

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
			\$	\$	\$	\$
<b>1950</b>						
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 <sup>1</sup> .....	3	557	1,698,433	1,281,057	24,977,606	29,735,212
<b>Canada .....</b>	<b>32</b>	<b>9,728</b>	<b>29,708,085</b>	<b>19,759,979</b>	<b>377,866,861</b>	<b>503,521,097</b>
<b>1951</b>						
Quebec .....	4	2,392	8,430,936	10,104,403	180,848,045	246,167,821
Ontario .....	4	4,630	16,619,208	8,154,627	96,953,899	144,010,878
Manitoba .....	4	358	1,113,217	781,267	17,192,300	21,061,570
Saskatchewan .....	8	764	2,470,190	1,395,650	36,189,669	46,902,653
Alberta .....	10	1,028	3,513,101	1,747,799	48,887,865	62,722,116
British Columbia .....	3	568	2,072,796	1,077,264	28,426,344	41,754,935
Other provinces <sup>1</sup> .....	3	540	1,886,405	1,261,318	21,805,114	25,233,026
<b>Canada .....</b>	<b>36</b>	<b>10,280</b>	<b>36,105,853</b>	<b>24,522,328</b>	<b>430,303,236</b>	<b>587,852,999</b>

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

TABLE 6. Products Made in Petroleum Refineries, 1950 and 1951

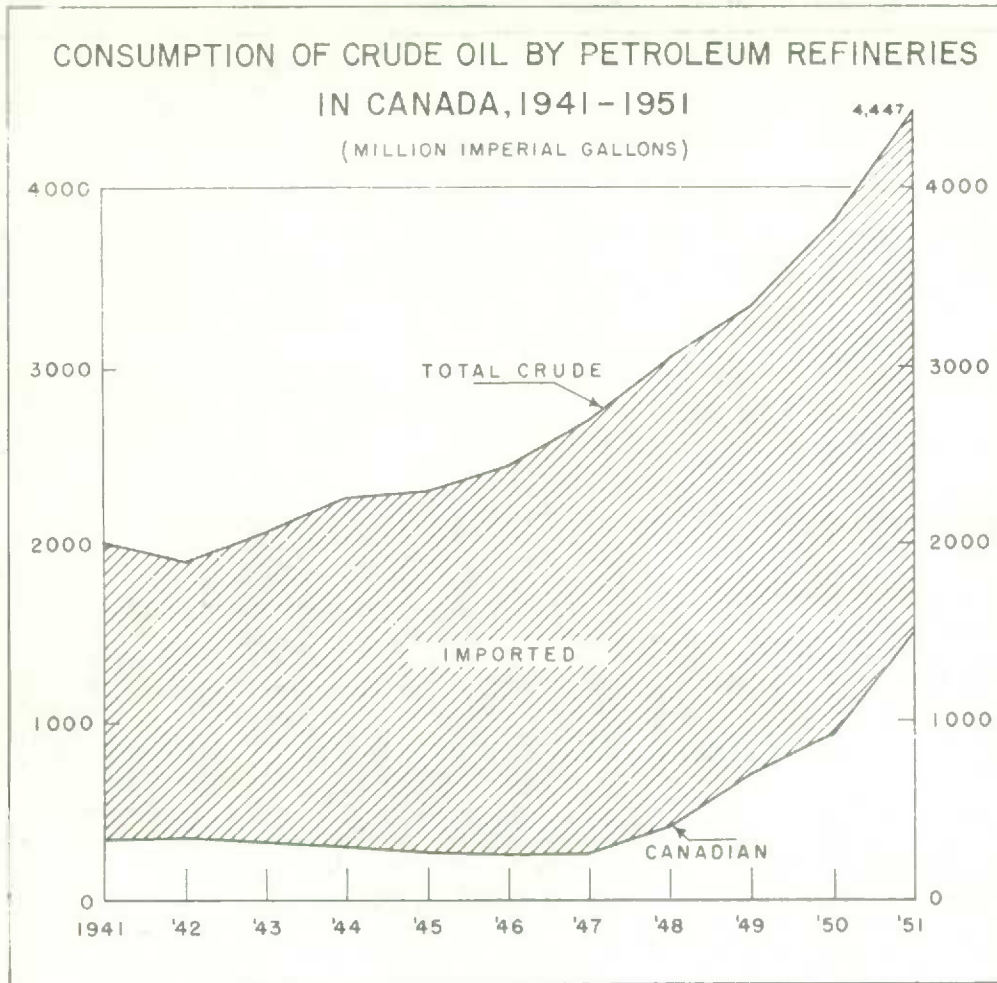
Product	Unit of measure	1950		1951	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
			\$		\$
<b>Made for sale:</b>					
Gasoline (excluding imported casinghead blended):					
Aviation gasoline .....	Imp. gal.	12,806,483	3,465,199	14,303,299	3,462,420
Motor gasoline .....	"	1,586,719,750	265,666,410	1,829,234,569	296,589,970
Naphtha specialties .....	"	34,348,232	6,252,847	35,388,044	6,530,147
Tractor fuel .....	"	30,862,582	4,705,933	17,111,937	2,801,124
Kerosene .....	"	23,128,618	3,635,284	21,933,940	3,518,001
Stove oil (No. 1 fuel oil) .....	"	173,130,085	22,682,378	256,618,914	34,956,563
Diesel fuel .....	"	240,858,531	29,403,720	262,511,518	31,483,549
Light fuel oils (Nos. 2 and 3) .....	"	404,125,996	48,826,731	520,920,843	63,472,476
Heavy fuel oils (Nos. 4, 5 and 6) .....	"	751,099,652	51,939,959	827,216,938	65,223,370
Lubricating oil .....	"	58,274,342	19,858,450	66,546,459	24,580,806
Lubricating grease .....	pound	33,629,999	2,516,302	34,079,639	2,618,280
Asphalt .....	Imp. gal.	145,758,681	18,259,774	171,961,361	21,206,933
Petroleum coke .....	ton	88,087	900,521	120,604	1,223,962
Liquefied petroleum gases .....	Imp. gal.	5,911,866	484,131	14,248,298	1,112,462
Other products <sup>1</sup> .....	—	—	6,895,638	—	6,676,056
<b>Total — Made for sale</b> .....	—	—	<b>485,493,277</b>	—	<b>565,456,119</b>
<b>Made for own use:</b>					
Motor gasoline .....	Imp. gal.	569,615	120,765	769,406	171,822
Naphtha specialties .....	"	136,779	21,024	88,708	18,344
Kerosene .....	"	45,610	6,598	9,437	1,654
Stove oil (No. 1 fuel oil) .....	"	33,868	4,368	23,661	3,666
Diesel fuel .....	"	501,593	63,406	372,131	52,299
Light fuel oils (Nos. 2 and 3) .....	"	203,729	24,726	9,821,716	821,942
Heavy fuel oils (Nos. 4, 5 and 6) .....	"	144,794,819	10,771,255	155,976,098	12,643,201
Lubricating oil .....	"	61,140	19,624	66,262	23,223
Asphalt .....	"	34,980	4,784	76,592	10,946
Petroleum coke .....	ton	34,104	240,082	44,085	450,212
Still gas .....	M cu. ft.	13,938,297	6,407,373	16,486,074	7,781,417
Other products .....	—	—	343,815	—	418,184
<b>Total — Made for own use</b> .....	—	—	<b>18,027,820</b>	—	<b>22,396,880</b>
<b>Grand total</b> .....	—	—	<b>503,521,097</b>	—	<b>587,852,999</b>

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, 1950 and 1951

Material	Unit of measure	1950		1951	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Crude oil (under 60° A.P.I.) in its natural state, from Canadian wells .....	Imp. gal.	919,822,644	93,206,555	1,485,717,234	135,617,351
Absorption gasoline, etc., from Canadian wells (run to stills) .....	Imp. gal.	13,500,515	1,445,011	14,537,402	1,473,755
Crude oil, in its natural state, imported, (run to stills):					
From United States .....	"	1,087,036,962	105,332,109	750,511,487	69,006,834
From South America .....	"	1,070,483,696	99,327,208	1,582,681,255	150,169,224
From other countries .....	"	724,095,481	61,303,542	581,818,898	51,291,794
Crude oil, not in its natural state (run to stills) .....	"	5,060,526	301,904	32,356,632	3,600,416
Blending stocks for gasoline:					
Benzol .....	Imp. gal.	1,255,505	248,094	208,389	41,739
Alkylate .....	"	5,123,483	1,599,901	7,723,741	2,036,343
Other .....	"	—	—	2,807,733	462,562
Phenol .....	pound	669,055	87,959	1,206,931	176,853
Sulphuric acid, 100% .....	"	31,451,588	408,850	25,368,389	376,515
Sulphur .....	"	397,719	11,892	316,855	10,922
Caustic soda .....	"	9,946,307	329,515	10,414,951	367,642
Soda ash .....	"	1,134,921	30,307	1,229,273	36,996
Litharge .....	"	272,450	47,811	198,708	42,291
Fuller's earth, bentonite and other clays .....	"	27,632,000	757,848	27,574,000	789,884
Compounding materials .....	—	—	7,057	—	11,208
Tetraethyl fluid .....	c.c.	5,355,220,829	8,974,665	4,783,918,496	8,950,933
Dyes for gasoline .....	—	—	82,004	—	78,207
Inhibitor .....	—	—	261,227	—	356,855
Other materials .....	—	—	2,852,453	—	3,639,873
Shipping containers .....	—	—	1,250,949	—	1,765,039
<b>Total</b> .....	—	—	<b>377,866,861</b>	—	<b>430,303,236</b>





**TABLE 8. Consumption of Crude Oil in Petroleum Refineries, Showing Canadian and Imported Separately, 1942-1951**

Year	Canadian <sup>1</sup>	Imported <sup>2</sup>	Total
Barrels of 35 Imp. gallons			
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
1951	1,500,254,636	2,947,368,272	4,447,622,908

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, 1951  
(These items not included in previous tables)**

Imported natural casinghead gasoline received at the refinery during the year .....	Imp. gal.	22,961,335
	\$	3,154,163
Imported natural casinghead gasoline used for blending during the year .....	Imp. gal.	23,868,395
Total stocks of imported natural casinghead gasoline at the end of the year .....	"	956,375

TABLE 10. Stocks on Hand at the Refineries at the End of 1951

	Stocks on hand at refineries on December 31, 1951	Increase or decrease compared with December 31, 1950
	Imperial gallons	
Crude oil and naphtha, in its natural state, from Canadian wells .....	150,226,874	+ 123,025,592
Absorption gasoline, etc., from Canadian wells .....	1,441,931	- 732,036
Crude oil, imported:		
In its natural state .....	139,200,093	- 4,016,943
Not in its natural state .....	392,210	+ 272,151
<b>Total crude</b> .....	<b>291,261,108</b>	<b>+ 118,548,764</b>
Naphtha specialties .....	5,445,128	- 18,806
Aviation gasoline .....	10,101,137	+ 1,329,738
Motor gasoline .....	175,835,680	+ 56,586,753
Tractor fuel .....	2,180,145	+ 28,111
Kerosene .....	5,896,051	+ 1,850,107
Stove oil (No. 1 fuel oil) .....	36,539,271	+ 8,067,881
Diesel fuel .....	42,916,299	+ 15,282,681
Light fuel oils (Nos. 2 and 3) .....	106,212,612	+ 35,439,711
Heavy fuel oils (Nos. 4, 5 and 6) .....	101,847,544	+ 26,579,744
Lubricating oils .....	7,963,896	- 5,741,298
<b>Total refined</b> .....	<b>494,937,763</b>	<b>+ 139,404,622</b>

TABLE 11. Production of Crude Petroleum, by Provinces, 1950 and 1951

Province	1950		1951	
	Barrels	\$	Barrels	\$
New Brunswick .....	17,137	23,992	15,551	21,771
Ontario .....	250,655	892,000	197,171	677,905
Manitoba .....	—	—	10,698	26,478
Saskatchewan .....	1,041,098	1,134,797	1,249,281	1,659,045
Alberta .....	27,548,169 <sup>1</sup>	82,216,492	45,915,394	113,870,152
Northwest Territories .....	186,729	352,656	227,449	399,887
<b>Canada</b> .....	<b>29,043,788</b>	<b>84,619,937</b>	<b>47,615,534</b>	<b>116,655,238</b>

1. Includes natural gasoline in 1950 but not in 1951.

TABLE 12. World Crude Oil Production, 1939 and 1950-1952

	1939	1950	1951	1952
	Thousands of barrels daily			
North America:				
United States .....	3,465.7	5,407.0	6,149.0	6,252.4
Canada .....	19.1	78.3	130.5	166.4
Mexico .....	162.0	199.0	210.2	211.8
<b>North America</b> .....	<b>3,646.8</b>	<b>5,684.3</b>	<b>6,489.7</b>	<b>6,630.6</b>
South America:				
Venezuela .....	567.0	1,498.0	1,704.6	1,796.6
Colombia .....	65.5	91.0	105.3	107.2
Argentina .....	51.0	64.0	66.9	67.0
Trinidad .....	52.8	56.5	57.1	57.3
Peru .....	37.1	41.2	44.0	44.6
Ecuador .....	6.3	7.2	7.4	7.8
Bolivia .....	0.6	1.7	1.4	1.5
Cuba .....	0.3	0.3	0.3	0.1
Brazil .....	—	0.8	1.9	2.2
Chile .....	—	1.7	2.0	2.0
<b>South America and Caribbean</b> .....	<b>780.6</b>	<b>1,762.4</b>	<b>1,990.9</b>	<b>2,086.3</b>
<b>Western Hemisphere</b> .....	<b>4,427.4</b>	<b>7,446.7</b>	<b>8,480.6</b>	<b>8,716.9</b>

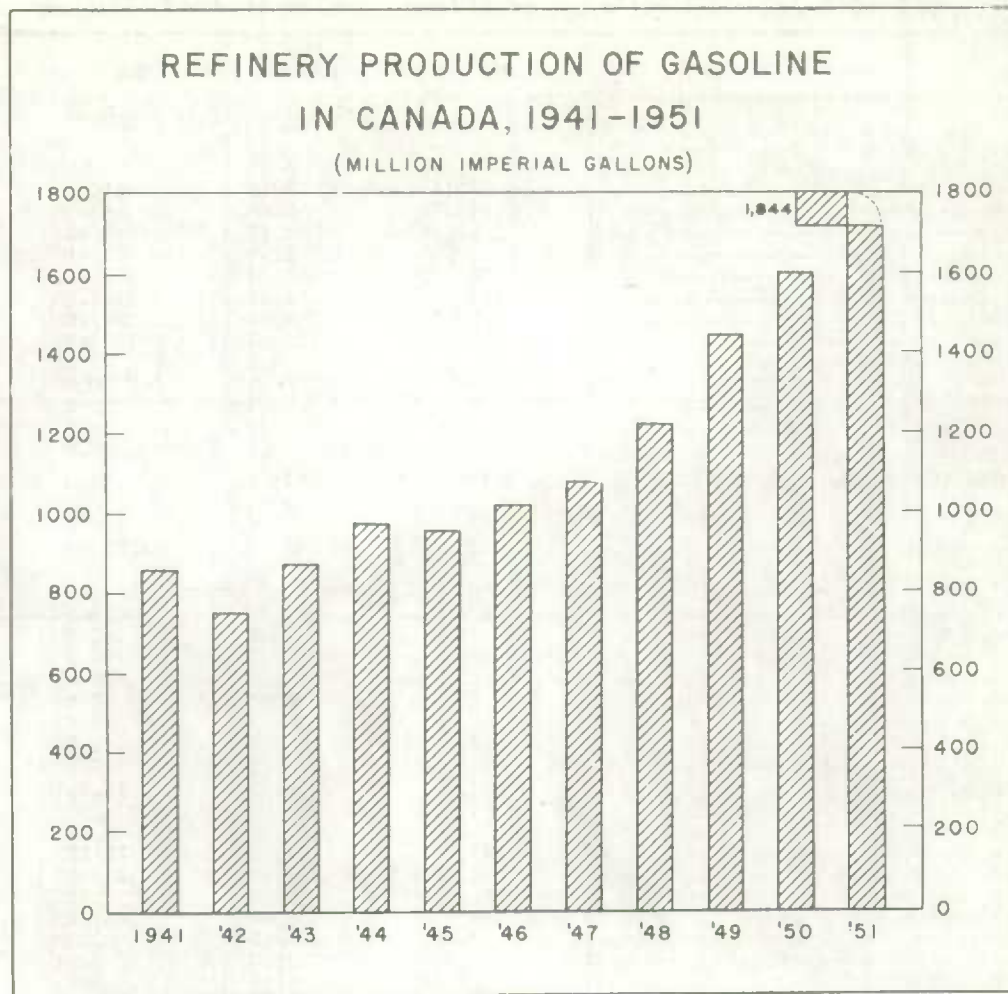
TABLE 12. World Crude Oil Production, 1939 and 1950-1952 - Concluded

	1939	1950	1951	1952
	Thousands of barrels daily			
<b>Europe:</b>				
Romania .....	128.5	88.5	100.0	90.0
Austria .....	11.7	28.4	44.0	43.5
Germany .....	12.3	21.6	26.5	33.4
Hungary .....	3.0	11.5	10.5	9.5
Poland .....	10.7	3.3	3.7	3.8
Netherlands .....	—	13.4	13.6	13.7
Albania .....	2.5	3.0	3.0	3.0
France .....	1.4	2.5	5.6	7.0
French Morocco .....	—	0.8	1.6	2.0
United Kingdom .....	0.1	0.9	0.9	1.1
Czechoslovakia .....	0.2	0.8	1.9	2.5
Yugoslavia .....	—	2.6	3.2	3.2
Italy .....	0.2	0.2	0.4	1.0
<b>Europe excluding U.S.S.R.</b> .....	<b>170.6</b>	<b>177.5</b>	<b>214.9</b>	<b>213.7</b>
U.S.S.R. ....	603.0	760.0	842.0	940.0
<b>Europe</b> .....	<b>773.6</b>	<b>937.5</b>	<b>1,056.9</b>	<b>1,153.7</b>
<b>Near and Middle East:</b>				
Iran .....	214.0	665.5	350.0	31.5
Saudi Arabia .....	10.8	546.7	761.5	821.8
Iraq .....	84.5	136.2	174.6	372.5
Kuwait .....	—	345.0	563.0	750.1
Bahrein.....	20.8	30.0	30.0	30.0
Qatar.....	—	33.7	49.6	67.3
Egypt .....	12.8	45.3	44.7	45.2
Turkey .....	—	0.2	0.4	0.5
<b>Near and Middle East</b> .....	<b>342.9</b>	<b>1,802.6</b>	<b>1,973.8</b>	<b>2,118.9</b>
<b>Far East and Oceania:</b>				
Indonesia .....	170.0	132.5	151.7	168.7
British Borneo.....	20.0	84.8	103.0	104.8
New Guinea .....	—	4.8	4.8	4.6
India .....	—	5.3	5.3	5.2
Pakistan.....	28.0	3.5	3.6	4.1
Burma .....	—	1.6	2.2	2.2
Japan .....	7.3	5.6	6.4	5.8
China .....	—	2.0	2.0	2.0
<b>Far East</b> .....	<b>225.3</b>	<b>240.1</b>	<b>279.0</b>	<b>297.4</b>
<b>Eastern Hemisphere</b> .....	<b>1,341.8</b>	<b>2,980.2</b>	<b>3,309.7</b>	<b>3,570.0</b>
<b>World total</b> .....	<b>5,769.2</b>	<b>10,426.9</b>	<b>11,790.3</b>	<b>12,286.9</b>

TABLE 13. Crude Oil Production by Principal Nations and Hemispheres, 1939 and 1950-1952

	1939	1950	1951	1952
	%	%	%	%
<b>Principal Nations:</b>				
United States .....	60.0	52.0	52.2	51.0
Venezuela.....	9.8	14.4	14.5	14.6
U.S.S.R. ....	10.5	7.3	6.9	7.4
Iran .....	3.7	6.4	2.9	—
Saudi Arabia .....	0.2	5.3	6.5	6.7
Kuwait .....	—	3.3	5.0	6.1
Iraq.....	1.5	1.3	1.5	3.0
<b>Western Hemisphere</b> .....	<b>76.7</b>	<b>71.5</b>	<b>72.1</b>	<b>71.0</b>
North America.....	63.2	54.6	55.1	54.0
South America .....	13.5	16.9	17.0	17.0
<b>Eastern Hemisphere</b> .....	<b>23.3</b>	<b>28.5</b>	<b>27.9</b>	<b>29.0</b>
Middle East.....	6.0	17.3	16.8	17.2
Oceania and Far East .....	4.1	2.3	2.3	2.4
Europe (including U.S.S.R.).....	13.2	8.9	8.7	9.4

Source: Data for Tables 12 and 13 were extracted from "World Petroleum", January, 1953.  
 Note. 1 barrel = 35 Imperial gallons.



**TABLE 14. Refinery Production<sup>1</sup> of Gasoline, 1942-1951**

Year	Motor gasoline	Aviation gasoline	Total
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
1951 .....	1,830,003,975	14,303,616	1,844,307,591

1. Includes production made for own use.

TABLE 15. Gross Sales<sup>3</sup> of Gasoline, by Provinces, 1948-1951

Province	1948	1949	1950	1951
Thousands of Imperial gallons				
Newfoundland .....	—	1	1	4,523 <sup>2</sup>
Prince Edward Island .....	7,288	8,240	9,085	10,246
Nova Scotia .....	53,137	57,443	61,349	65,777
New Brunswick .....	54,186	56,686	58,815	63,615
Quebec .....	280,858	304,139	340,621	372,853
Ontario .....	562,530	623,685	687,730	766,492
Manitoba .....	90,602	104,023	112,496	127,658
Saskatchewan .....	147,446	168,267	176,118	192,585
Alberta .....	190,608	218,936	241,388	272,992
British Columbia .....	130,909	142,297	155,424	173,070
<b>Total gross sales .....</b>	<b>1,517,563</b>	<b>1,683,717</b>	<b>1,843,026</b>	<b>2,049,812</b>

1. Not available.
2. Last four months only.
3. Sold for all purposes.

TABLE 16. Gross sales of Gasoline, by Months, 1948-1951

Month	1948	1949	1950	1951
Thousands of Imperial gallons				
January .....	81,527	86,373	97,093	121,365
February .....	72,698	82,421	93,663	109,429
March .....	86,654	99,523	110,887	120,542
April .....	97,752	130,508	116,339	134,106
May .....	139,452	168,771	188,092	217,688
June .....	163,198	168,029	188,583	205,339
July .....	160,920	170,114	188,047	212,033
August .....	170,572	193,763	212,827	224,070
September .....	165,799	180,476	189,049	199,364
October .....	147,727	155,865	178,910	200,855
November .....	126,020	133,769	154,634	161,983
December .....	105,334	114,105	124,902	143,037
<b>Total .....</b>	<b>1,517,564</b>	<b>1,683,717<sup>1</sup></b>	<b>1,843,026<sup>1</sup></b>	<b>2,049,812<sup>2</sup></b>

1. Newfoundland not included.
2. Newfoundland included for last four months only.

TABLE 17. Gross Sales of Gasoline, by Months and by Provinces, 1951 and Totals for 1950

Month	Newfoundland <sup>1</sup>	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total
Thousands of Imperial gallons											
January .....	—	489	4,213	4,014	23,396	50,829	5,941	5,370	15,656	11,456	121,365
February .....	—	415	3,655	3,557	21,663	45,705	5,161	4,228	14,590	10,454	109,429
March .....	—	428	4,086	3,987	24,847	52,831	5,694	3,269	14,290	11,111	120,542
April .....	—	638	4,734	3,696	24,465	55,778	8,958	5,616	16,731	13,491	134,106
May .....	—	1,146	6,186	6,098	35,469	74,099	15,593	33,266	30,384	15,447	217,688
June .....	—	1,128	6,296	6,030	35,396	70,742	13,116	26,497	30,021	16,113	205,339
July .....	—	1,110	6,806	6,778	39,532	76,485	13,598	23,640	26,355	17,729	212,033
August .....	—	1,207	7,242	7,203	41,459	80,979	14,412	24,635	29,080	17,853	224,070
September .....	1,188	1,046	6,011	6,393	38,813	70,086	13,960	19,763	26,187	15,917	199,364
October .....	1,251	1,077	6,214	6,471	31,858	73,401	14,279	22,360	27,950	15,996	200,855
November .....	1,146	967	5,483	5,190	28,387	60,635	9,468	14,403	21,859	14,446	161,983
December .....	938	596	4,851	4,199	27,569	54,922	7,479	9,537	19,889	13,056	143,037
<b>Totals for 1951 .....</b>	<b>4,523</b>	<b>10,246</b>	<b>65,777</b>	<b>63,615</b>	<b>372,853</b>	<b>766,492</b>	<b>127,658</b>	<b>192,585</b>	<b>272,992</b>	<b>173,070</b>	<b>2,049,812</b>
<b>Totals for 1950 .....</b>	<b>—</b>	<b>9,085</b>	<b>61,349</b>	<b>58,815</b>	<b>340,621</b>	<b>687,730</b>	<b>112,496</b>	<b>176,118</b>	<b>241,388</b>	<b>155,424</b>	<b>1,843,026</b>

1. Newfoundland not included in total for 1950 and only for last four months of 1951.

TABLE 18. Net Sales<sup>2</sup> of Gasoline, by Provinces, 1948-1951

Province	1948	1949	1950	1951
	Thousands of Imperial gallons			
Newfoundland .....	—	7, 188 <sup>1</sup>	8, 842 <sup>1</sup>	10, 816 <sup>1</sup>
Prince Edward Island .....	5, 600	6, 178	6, 554	8, 610
Nova Scotia .....	51, 764	49, 282	50, 845	54, 352
New Brunswick .....	46, 841	48, 408	51, 285	55, 636
Quebec .....	257, 632	274, 671	307, 433	337, 259
Ontario .....	469, 684	522, 606	582, 212	642, 537
Manitoba .....	53, 901	60, 281	70, 068	73, 449
Saskatchewan .....	64, 842	77, 844	81, 215	89, 513
Alberta .....	85, 030 <sup>3</sup>	102, 150 <sup>3</sup>	113, 361 <sup>3</sup>	126, 108
British Columbia .....	97, 940	106, 274	118, 275	130, 626
<b>Canada .....</b>	<b>1, 133, 234<sup>3</sup></b>	<b>1, 254, 882<sup>3</sup></b>	<b>1, 390, 090<sup>3</sup></b>	<b>1, 528, 906</b>

1. Estimated from tax revenues.

2. Gross sales less gasoline exempt from tax or on which tax was refunded.

3. Revised to allow for marked gasoline sold in Alberta subject to a tax of 1 cent per gallon. Amounts of marked gasoline included in totals of net sales were: 1948, 97,502 thousand gallons; 1949, 109,110 thousand gallons; 1950, 118,601 thousand gallons.

TABLE 19. Provincial Government Receipts from Gasoline Taxes, by Provinces, 1948-1951

Province	1948	1949	1950	1951
	\$	\$	\$	\$
Newfoundland .....	—	1, 006, 356	1, 251, 928	1, 514, 260
Prince Edward Island .....	783, 913	855, 776	960, 238	1, 002, 323
Nova Scotia .....	5, 869, 246	6, 246, 491	6, 590, 526	7, 852, 411
New Brunswick .....	5, 191, 864	5, 535, 767	5, 731, 589	6, 322, 761
Quebec .....	29, 590, 885	30, 908, 312	37, 156, 111	47, 635, 063
Ontario .....	52, 566, 951	58, 228, 133	65, 040, 229	71, 382, 060
Manitoba .....	4, 890, 086	5, 291, 780	5, 997, 075	6, 679, 830
Saskatchewan .....	6, 641, 867	7, 882, 783	8, 331, 276	9, 388, 465
Alberta .....	8, 577, 567	10, 635, 059	11, 609, 189	12, 766, 293
British Columbia .....	10, 146, 654	11, 163, 046	12, 400, 167	13, 843, 038
Yukon .....	71, 954	80, 813	78, 257	118, 803
<b>Total receipts .....</b>	<b>124, 330, 987</b>	<b>137, 834, 316</b>	<b>155, 146, 585</b>	<b>178, 505, 307</b>

TABLE 20. Revenues from Motor Vehicle Registrations and Gasoline Taxes, 1942-1951

Year	From motor vehicle registrations	From gasoline taxes	Year	From motor vehicle registrations	From gasoline taxes
	\$	\$		\$	\$
1942 .....	28, 498, 676	72, 349, 746	1947 .....	46, 004, 131	119, 668, 069 <sup>1</sup>
1943 .....	30, 292, 019	70, 355, 731	1948 .....	51, 287, 732	124, 330, 987
1944 .....	30, 584, 711	77, 192, 353	1949 .....	58, 205, 854	137, 834, 316
1945 .....	32, 166, 464	87, 666, 795	1950 .....	67, 185, 528	155, 146, 585
1946 .....	39, 787, 935	108, 573, 195	1951 .....	73, 707, 694	178, 505, 307

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, 1948-1951

Province	1948	1949	1950	1951
	Number			
Newfoundland .....	—	13,981	16,375	20,058
Prince Edward Island .....	11,290	13,211	15,383	16,896
Nova Scotia .....	76,319	83,443	94,743	105,262
New Brunswick .....	62,366	67,280	74,415	83,023
Quebec .....	335,953	384,733	433,701	500,729
Ontario .....	874,933	970,137	1,104,080	1,205,098
Manitoba .....	128,000	139,836	157,788	171,265
Saskatchewan .....	167,515	185,027	199,866	215,450
Alberta .....	173,950	200,428	230,624	259,841
British Columbia .....	202,126	230,008	270,312	291,417
Yukon and Northwest Territories .....	2,491	2,544	3,224	3,381
<b>Canada .....</b>	<b>2,034,943</b>	<b>2,290,628</b>	<b>2,600,511</b>	<b>2,872,420</b>

TABLE 22. Registrations of Motor Vehicles, by Types, 1951

Province	Passenger cars	Motor trucks	Motor buses	Motor-cycles	Tractors	Other motor vehicles	Total
	Number						
Newfoundland .....	13,483	5,521	264	392	174	224	20,058
Prince Edward Island .....	11,176	4,163	20	84	1,453	—	16,896
Nova Scotia .....	69,786	29,962	1	1,687	3,827	—	105,262
New Brunswick .....	54,327	21,061	687	1,386	3,858	1,704	83,023
Quebec .....	350,435	115,080	2,931	16,432	12,251	3,500	500,729
Ontario .....	958,082	233,546	1	13,470	1	1	1,205,098
Manitoba .....	119,775	45,784	198	1,955	2,449	1,104	171,265
Saskatchewan .....	137,038	77,033	109	1,102	168	—	215,450
Alberta .....	168,482	86,929	471	2,508	1	1,451	259,841
British Columbia .....	213,770	71,646	1	4,144	1,857	—	291,417
Yukon and Northwest Territories .....	1,240	2,020	18	29	36	38	3,381
<b>Canada .....</b>	<b>2,097,594</b>	<b>692,745</b>	<b>4,698</b>	<b>43,189</b>	<b>26,073</b>	<b>8,121</b>	<b>2,872,420</b>

1. Included with trucks.

TABLE 23. Petroleum Coke: Deliveries For Consumption, 1950 and 1951 (Used as fuel only — not as manufacturing materials)

Fuel for domestic and industrial heating	1950	1951
	Tons	
Atlantic provinces .....	18	—
Quebec .....	655	2,260
Ontario .....	102,808	73,080
Manitoba .....	—	—
Saskatchewan .....	—	259
Alberta and Northwest Territories .....	—	—
British Columbia and Yukon .....	—	302
<b>Total .....</b>	<b>103,481<sup>1</sup></b>	<b>75,901</b>

1. Revised.

**TABLE 24. Fuel Oil and Distillate Deliveries: Deliveries for Consumption, by Provinces, 1951, and Totals for 1947-1950 (As reported by Distributors and Refiners)**

No.		Atlantic provinces	Quebec	Ontario	Manitoba
		Imperial gallons			
	<b>(a) Heavy and Medium Fuel Oils (Nos. 6, 5 and 4):</b>				
1	For heating homes and buildings and for lighting and cooking .....	4,584,681	59,671,186	30,719,351	15,674,336
2	For consumption under refinery boilers .....	14,901,020	60,631,431	71,287,487	8,305,468
3	For electric light plants .....	200,416	—	—	—
4	For industrial purposes, as fuel or material .....	54,089,956	139,192,014	183,223,368	8,162,591
5	For tractors and other motor vehicles, as fuel .....	828,354	92,242	4,000	—
6	To railways .....	20,565,677	5,435,355	5,886,478	15,876,136
7	To ships for bunkering .....	53,616,662	97,537,767	22,707,958	308,532
8	For unspecified uses .....	—	—	—	—
9	<b>Total deliveries of fuel oils, all uses .....</b>	<b>148,786,766</b>	<b>362,559,995</b>	<b>313,828,642</b>	<b>48,327,063</b>
	<b>(b) Heavy and Light Furnace Oils (Nos. 3 and 2):</b>				
10	For heating homes and buildings and for lighting and cooking .....	47,992,737	153,874,489	297,911,812	15,809,566
11	To electric light plants .....	—	48,365	—	—
12	For industrial purposes, as fuel or material .....	11,556,846	25,208,513	27,536,629	716,919
13	For tractors and other motor vehicles, as fuel .....	—	195,967	286,853	95,536
14	To railways .....	423,081	3,637,456	4,243,126	1,009,926
15	To ships and boats, as fuel .....	19,232	688,814	842,673	—
16	For unspecified uses .....	—	1,272,702	—	—
17	<b>Total deliveries of furnace oils, all uses .....</b>	<b>59,991,896</b>	<b>184,926,306</b>	<b>330,821,093</b>	<b>17,631,967</b>
	<b>(c) Diesel Fuel:</b>				
18	For heating homes and buildings and for lighting and cooking .....	166,758	839,161	5,712,546	540
19	To electric light plants .....	4,667,027	204,084	551,266	353,480
20	For industrial purposes, as fuel or material .....	4,276,756	3,961,960	5,395,107	761,989
21	For tractors and other motor vehicles, as fuel .....	7,600,959	10,923,955	14,209,310	8,542,949
22	To railways .....	5,309,047	8,317,928	25,124,851	1,549,756
23	To ships and boats, as fuel .....	17,164,396	15,455,457	3,132,416	—
24	For unspecified uses .....	—	735,300	2,765,750	—
25	<b>Total deliveries of diesel fuel, all uses .....</b>	<b>39,184,943</b>	<b>40,437,845</b>	<b>56,891,246</b>	<b>11,208,714</b>
	<b>(d) Stove Oil (No. 1), Tractor Fuel, Kerosene and Illuminating Oil:</b>				
26	For heating homes and buildings and for lighting and cooking .....	36,582,234	106,023,592	72,213,983	8,991,563
27	To railways .....	245,520	279,652	753,106	829,436
28	To electric light plants .....	—	35,490	87,052	267,158
29	For industrial purposes, as fuel or material .....	557,647	2,058,607	14,169,442	3,322,195
30	For tractors and other motor vehicles, as fuel .....	—	2,551,622	8,503,795	5,205,809
31	For unspecified uses .....	256,708	1,369,361	3,905,903	—
32	<b>Total deliveries of section (d), all uses .....</b>	<b>37,642,109</b>	<b>112,318,324</b>	<b>99,633,281</b>	<b>18,616,161</b>
33	<b>Total all fuels .....</b>	<b>285,605,714</b>	<b>700,242,470</b>	<b>801,174,262</b>	<b>95,783,905</b>
34	<b>Total all fuels: 1950 .....</b>	<b>243,239,861</b>	<b>675,083,227</b>	<b>641,262,208</b>	<b>63,300,192</b>
35	1949 .....	229,242,858	515,836,291	508,881,995	50,529,076
36	1948 .....	185,847,559	488,950,975	502,841,132	44,948,525
37	1947 .....	181,129,176	450,481,073	499,222,723	42,761,893

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, 1951, and Totals for 1947-1950 (As reported by Distributors and Refiners)

Saskatchewan	Alberta and Northwest Territories	British Columbia and Yukon	Canada		Canada		No.
			1951	Per cent of section total	1950	Per cent of section total	
Imperial gallons							
9,247,542	298,296	26,815,039	147,010,431	10.8	112,543,127	9.3	1
17,897,638	21,635,857	14,894,124	209,553,025	15.4	229,249,973	19.0	2
8,069,858	300,000	7,785,254	16,355,528	1.2	32,146,819	2.7	3
27,754,515	4,765,550	83,297,957	500,485,951	36.8	403,207,318	33.4	4
—	82,191	—	1,006,787	—	66,488	—	5
45,423,961	128,954,724	37,387,843	259,530,174	19.1	223,118,709	18.5	6
—	1,687,601	52,057,431	227,915,951	16.7	206,564,518	17.1	7
—	—	—	—	—	43	—	8
<b>108,393,514</b>	<b>157,724,219</b>	<b>222,237,648</b>	<b>1,361,837,847</b>	<b>100.0</b>	<b>1,206,896,993</b>	<b>100.0</b>	<b>9</b>
23,258,321	3,869,687	40,756,259	583,472,891	87.3	474,449,699	89.0	10
69,177	—	—	117,542	—	282,945	—	11
79,500	725,198	2,652,859	68,476,464	10.3	45,134,936	8.5	12
2,161,232	—	—	2,739,588	.4	3,119,729	.6	13
—	278,270	120,925	9,712,784	1.5	3,181,273	.6	14
—	—	—	1,550,719	.2	710,246	.1	15
13,054	—	843,223	2,128,979	.3	6,719,532	1.2	16
<b>25,581,284</b>	<b>4,873,155</b>	<b>44,373,266</b>	<b>668,198,967</b>	<b>100.0</b>	<b>533,598,360</b>	<b>100.0</b>	<b>17</b>
1,452,088	157,838	4,130,000	12,458,931	4.9	7,443,439	3.7	18
4,314,764	3,180,222	2,741,492	16,012,335	6.2	11,693,830	5.8	19
278,786	17,283,759	16,469,134	48,427,491	18.9	46,672,430	22.9	20
12,568,807	11,538,506	9,358,112	74,742,598	29.1	58,234,741	28.5	21
147,724	6,420,732	1,475,178	48,345,216	18.8	24,470,132	12.0	22
—	548,590	16,792,452	53,093,311	20.7	47,889,613	23.5	23
—	—	—	3,501,050	1.4	7,351,768	3.6	24
<b>18,762,169</b>	<b>39,129,647</b>	<b>50,966,368</b>	<b>256,580,932</b>	<b>100.0</b>	<b>203,755,953</b>	<b>100.0</b>	<b>25</b>
16,561,950	14,857,649	44,372,915	299,603,886	84.6	269,011,277	84.2	26
197,203	129,150	129,947	2,564,014	.7	1,255,314	.5	27
—	10,656	—	400,356	.1	167,529	—	28
90,529	1,128,350	2,756,861	24,033,631	6.9	7,733,819	2.4	29
404,988	4,424,369	147,336	21,237,969	6.0	37,513,147	11.7	30
—	—	467,487	5,999,459	1.7	3,611,997	1.2	31
<b>17,254,670</b>	<b>20,550,174</b>	<b>47,874,596</b>	<b>353,889,315</b>	<b>100.0</b>	<b>319,293,083</b>	<b>100.0</b>	<b>32</b>
<b>169,991,637</b>	<b>222,277,193</b>	<b>365,451,878</b>	<b>2,640,527,061</b>	<b>100.0</b>	<b>2,263,544,391</b>	<b>100.0</b>	<b>33</b>
158,088,069	209,044,337	323,526,497	2,263,544,391	—	—	—	34
128,997,084	144,486,082	308,022,588	1,885,905,974	—	—	—	35
96,223,977	120,996,569	315,354,244	1,755,162,981	—	—	—	36
87,500,092	96,982,750	299,096,420	1,657,174,127	—	—	—	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), 1951

Sixteen factories were occupied chiefly in compounding lubricating oils and greases in Canada during 1951. Ten of these plants were located in Ontario, 3 in Quebec and 3 in British Columbia. They gave work to a total of 331 people who were paid \$972,773 as salaries and wages. Purchases of processing materials and containers cost \$8,163,903. Included in the year's output were lubricating oils at \$8,984,945, lubricating greases at \$1,877,898 and soaps or soap powders at \$86,450.

Total Canadian output of lubricating oils, including production from the refineries, amounted to 79,123,562 gallons in 1951 against 69,798,333 gallons in 1950. Corresponding figures for lubricating greases totalled 49,330,954 pounds in 1951 and 46,816,321 pounds in 1950. Sales of lubricating oils as reported by principal dealers amounted to 79,786,000 gallons in 1951, while sales of lubricating greases totalled 76,681,000 pounds.

TABLE 25. Principal Statistics of the Lubricating Oils and Greases Industry, 1947-1951

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
			\$	\$	\$	\$
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
1951 .....	16	331	972,773	48,527	8,163,903	11,087,517

TABLE 26. Principal Statistics of the Lubricating Oils and Greases Industry, by Provinces, 1950 and 1951

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
			\$	\$	\$	\$
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
1951						
Quebec .....	3	43	105,136	21,323	1,039,942	1,424,439
Ontario .....	10	277	839,788	26,294	7,946,719	9,514,741
British Columbia.....	3	11	27,849	910	77,242	148,337
Canada .....	16	331	972,773	48,527	8,163,903	11,087,517

TABLE 27. Products Made in the Lubricating Oils and Greases Industry, 1950 and 1951

Product	Unit of measure	1950		1951	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
			\$		\$
Greases, lubricating .....	pound	13,186,322	1,198,837	15,241,823	1,877,898
Oils, lubricating .....	gallon	11,523,991	6,614,715	12,510,841	8,984,945
Soap .....	—	—	57,590	—	86,450
All other products .....	—	—	124,153	—	138,224
<b>Total</b> .....	—	—	<b>7,995,295</b>	—	<b>11,087,517</b>

TABLE 28. Materials Used in the Lubricating Oils and Greases Industry, 1950 and 1951

Material	Unit of measure	1950		1951	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Compounding stocks (oils, etc.) .....	Imp. gal.	12,346,557	4,332,862	13,263,134	5,169,649
Tallow and grease .....	lb.	76,043	7,666	65,078	9,898
All other materials .....	—	—	1,340,789	—	2,029,667
Shipping containers .....	—	—	808,203	—	954,689
<b>Total</b> .....	—	—	<b>6,489,520</b>	—	<b>8,163,903</b>

TABLE 29. Sales of Lubricating Oils, 1950 and 1951 (As reported by principal dealers)

Province	Motor transport and tractor crankcase oil	Aircraft crankcase oils	Other oils (industrial, etc.)	Total all purposes
	Imperial gallons			
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
<b>Total - Canada</b> .....	<b>42,625,000</b>	<b>796,000</b>	<b>27,006,000</b>	<b>70,427,000</b>
1951				
Newfoundland .....	550,000	80,000	424,000	1,054,000
Maritimes .....	3,465,000	97,000	1,653,000	5,215,000
Quebec .....	8,353,000	198,000	6,153,000	14,704,000
Ontario .....	17,126,000	215,000	17,477,000	34,818,000
Manitoba .....	3,044,000	112,000	1,674,000	4,830,000
Saskatchewan .....	4,501,000	11,000	370,000	4,882,000
Alberta .....	6,025,000	77,000	944,000	7,046,000
British Columbia (including Yukon) .....	4,898,000	114,000	2,225,000	7,237,000
<b>Total - Canada</b> .....	<b>47,962,000</b>	<b>904,000</b>	<b>30,920,000</b>	<b>79,786,000</b>

TABLE 30. Sales of Lubricating Greases, 1950 and 1951 (As reported by principal dealers)

	Automotive	Industrial	Total
	pounds		
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
<b>Total - Canada .....</b>	<b>45,782,000</b>	<b>20,937,000</b>	<b>66,719,000</b>
1951			
Newfoundland .....	272,000	120,000	392,000
Maritimes .....	2,851,000	1,445,000	4,296,000
Quebec .....	8,298,000	5,677,000	13,975,000
Ontario .....	17,021,000	14,088,000	31,109,000
Manitoba.....	3,947,000	1,707,000	5,654,000
Saskatchewan .....	7,247,000	299,000	7,546,000
Alberta .....	6,809,000	1,317,000	8,126,000
British Columbia (including Yukon).....	3,919,000	1,664,000	5,583,000
<b>Total - Canada .....</b>	<b>50,364,000</b>	<b>26,317,000</b>	<b>76,681,000</b>

TABLE 31. Imports of Petroleum, Asphalt, and Their Products, 1950 and 1951

Item	1950		1951	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not .....	cwt. 425,285	966,246	331,410	823,429
Asphalt oil for paving .....	gal. 81,592	9,609	4,320	5,672
Oil, imported by miners or mining companies, for the concentration of ores or metals .....	" 164,621	139,759	202,609	215,708
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. ....	M gal. 2,752,700	200,505,509	2,914,911	231,035,772
Crude petroleum, n.o.p. ....	gal. 416,545	32,166	37,063	3,419
Fuel oil, ex-warehoused, for ships' stores .....	" 10,695,294	442,869	14,258,112	679,982
Kerosene, n.o.p. ....	" 15,722,711	1,855,875	18,971,434	2,321,563
Engine distillate, .8917 specific gravity or heavier at 60° Fah. ....	" 166,010	23,506	338,948	47,844
Gasoline, lighter than .8236 specific gravity at 60° Fah. ....	" 167,981,973	26,300,584	126,080,301	19,944,275
Aviation gasoline.....	" 50,670,780	10,450,332	54,983,367	11,147,501
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. 27,810,732	3,008,562	21,501,902	2,304,054
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon .....	" 9,233,616	1,770,521	7,115,193	1,383,875
Lubricating oils costing 25 cents or more per gallon .....	" 8,476,712	3,544,547	21,783,786	8,562,202
Oils, mineral, n.o.p. ....	" 1,245,142	1,254,455	1,846,267	2,762,520
Stove oil, No. 1 fuel oil .....	" 84,244,844	9,340,251	63,442,486	7,334,815
Light fuel and furnace oils, Nos. 2 and 3 .....	" 142,824,141	14,169,757	166,419,260	18,115,943
Heavy fuel oils, Nos. 4, 5 and 6 .....	" 260,643,818	14,806,731	329,280,546	20,858,781
Diesel fuel .....	" 71,225,969	7,147,308	115,536,027	11,399,048
Tractor fuel.....	" 11,180	1,713	1,557	304
Petroleum greases and lubricating greases, n.o.p. ....	lb. 12,484,089	1,056,738	13,593,731	1,424,212
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes .....	- -	625,346	-	674,167
Paraffin wax .....	lb. 29,793,532	2,209,701	37,292,220	2,815,827
Paraffin wax candles.....	" 186,251	61,842	123,691	51,137
Naphtha, including solvent naphtha .....	gal. 5,453,297	1,176,666	11,584,975	2,510,588
Products of petroleum n.o.p., lighter than .8236 specific gravity at 60° Fah. ....	" 2,707,131	1,355,302	4,297,263	2,227,005
Liquefied petroleum gases .....	lb. 155,476,354	2,249,203	188,849,211	3,135,382
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. 51,237,531	3,458,423	33,360,906	2,108,638

TABLE 32. Exports of Petroleum and Its Products, 1950 and 1951

Item	1950		1951	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude .....	gal. —	—	11,962,316	806,729
Oil, coal and kerosene, refined .....	" 147,973	33,365	5,946	1,573
Gasoline and naphtha .....	" 123,860	31,124	212,772	47,853
Fuel oil .....	" 640,429	88,121	215,194	33,017
Lubricating oil .....	" 63,861	53,967	106,324	186,525
Oil, mineral, n.o.p. ....	" 418,766	52,777	69,204	10,317
Wax, mineral .....	cwt. 7,536	39,819	105,986	952,370

TABLE 33. Employees and Their Earnings in the Lubricating Oils and Greases Industry, 1950 and 1951

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
<b>1950</b>								
Ontario .....	68	18	215	5	306	198,409	598,528	796,937
Other provinces .....	5	4	13	—	22	23,715	28,859	52,574
<b>Canada .....</b>	<b>73</b>	<b>22</b>	<b>228</b>	<b>5</b>	<b>328</b>	<b>222,124</b>	<b>627,387</b>	<b>849,511</b>
<b>1951</b>								
Ontario .....	59	15	199	4	277	250,765	589,023	839,788
Other provinces .....	11	8	33	2	54	36,858	96,127	132,985
<b>Canada .....</b>	<b>70</b>	<b>23</b>	<b>232</b>	<b>6</b>	<b>331</b>	<b>287,623</b>	<b>685,150</b>	<b>972,773</b>

TABLE 34. Employees and Their Earnings in Petroleum Refineries, 1950 and 1951

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
<b>1950</b>								
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	666	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
<b>Canada .....</b>	<b>2,621</b>	<b>752</b>	<b>6,286</b>	<b>69</b>	<b>9,728</b>	<b>11,546,324</b>	<b>18,161,761</b>	<b>29,708,085</b>
<b>1951</b>								
Quebec .....	506	73	1,804	9	2,392	2,308,350	6,122,586	8,430,936
Ontario .....	1,604	589	2,407	30	4,630	8,601,653	8,017,555	16,619,208
Manitoba .....	81	68	209	—	358	456,001	657,216	1,113,217
Saskatchewan .....	168	56	536	4	764	794,841	1,675,349	2,470,190
Alberta .....	245	56	724	3	1,028	1,074,886	2,438,215	3,513,101
British Columbia .....	93	15	460	—	568	466,685	1,606,111	2,072,796
Other provinces .....	78	25	427	10	540	424,110	1,462,295	1,886,405
<b>Canada .....</b>	<b>2,775</b>	<b>882</b>	<b>6,567</b>	<b>56</b>	<b>10,280</b>	<b>14,126,526</b>	<b>21,979,327</b>	<b>36,105,853</b>

## Directory of Operating Petroleum Refineries, 1951

Name of company	Location of refinery	Crude oil capacity	Type of refinery	Cracking plant	
				Type	Capacity
		Bbl. per 24 hours			Bbl. per 24 hours
<b>Nova Scotia:</b>					
Imperial Oil Limited.....	Imperoyal .....	22,000	S-C	Thermal .....	10,000
<b>New Brunswick:</b>					
New Brunswick Oilfields Ltd. ....	Weldon .....	300	S	-	-
<b>Quebec:</b>					
British American Oil Co. Limited .....	Montreal East ..	40,000	S-C	Thermal and Catalytic	20,850
Imperial Oil Limited.....	Montreal East ..	46,000	S-C	Thermal and Catalytic	17,500
McCull-Fontenac Oil Co. Limited.....	Montreal East ..	45,000	S-C	Thermal and Catalytic	34,000
Shell Oil Company of Canada Ltd. ....	Montreal East ..	29,000	S-C	Thermal and Catalytic	20,000
<b>Ontario:</b>					
Canadian Oil Companies Limited.....	Petrolia .....	3,700	S-C	Thermal .....	2,150
Imperial Oil Limited.....	Sarnia.....	57,000	S-C	Thermal and Catalytic	23,000
British American Oil Co. Limited .....	Clarkson .....	12,700	S-C	Thermal .....	4,500
Trinidad Leaseholds (Canada) Limited.....	Port Credit .....	6,000	S-C	Thermal .....	3,000
<b>Manitoba:</b>					
Anglo-Canadian Oils Ltd. ....	Brandon .....	3,000	S-C	Thermal .....	1,375
Imperial Oil Limited.....	East St. Paul ..	12,000	S-C	Catalytic .....	3,600
North Star Oil Limited .....	St. Boniface ...	4,500	S-C	Thermal .....	2,000
Radio Oil Refineries Ltd.....	East Kildonan..	1,000	S	-	-
<b>Saskatchewan:</b>					
British American Oil Co. Limited .....	Moose Jaw.....	6,000	S-C	Thermal .....	2,000
Saskatchewan Federated Cooperatives Ltd.	Regina .....	6,500	S-C	Thermal .....	2,450
Hi-Way Refineries Limited .....	Saskatoon .....	3,000	S-C	Thermal .....	600
Hi-Way Refineries Limited .....	Rosetown.....	300	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 ..	1,000	S	-	-
<b>Alberta:</b>					
British American Oil Co. Limited .....	Edmonton.....	5,750	S-C	Thermal and Catalytic	3,400
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.....	22,600	S-C	Thermal .....	9,100
McCull-Fontenac Oil Co. Limited.....	Edmonton.....	5,500	S-C	Catalytic .....	2,600
Excelsior Refineries Ltd. ....	Lloydminster....	1,500	S-C	Thermal .....	250
Husky Oil & Refining, Ltd. ....	Lloydminster....	5,000	S	-	-
Supreme Refineries Ltd. ....	Calgary .....	500	S	-	-
Wainwright Refineries Ltd. ....	Wainwright.....	300	S	-	-
<b>British Columbia:</b>					
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	-	-
<b>Northwest Territories:</b>					
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, 1951

Name of company	Location of plant
<b>Quebec:</b>	
Canadian Oil Companies Ltd. ....	60 10 Notre Dame East, Montreal
Chapman, L.L. and W.H. ....	Champlain St., Gatineau Point
Tide Water Associated Oil Company (Canada) Ltd. ....	9500 St. Lawrence Blvd., Montreal
<b>Ontario:</b>	
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. ....	75 Augusta St., 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
<b>British Columbia:</b>	
Bardahl Lubricants (Western) Ltd. ....	5405 West Boulevard, Vancouver
Renton Distributors Ltd. ....	550 Beatty St., Vancouver
Spotoil Company ....	205 W. First Ave., Vancouver

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