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# THE PETROLEUM PRODUCTS INDUSTRY 1952



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** – 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

## 1952

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. In 1952 another industry comprising 5 absorption gasoline plants, which recover the naphtha content of natural gas, was added to this group.

Thirty-five refineries, 15 blending plants and 5 absorption gasoline plants, or a total of 55 works, reported under this category in 1952 and the aggregate value of production was \$660,356,584, an

increase of 10.2 per cent over the 1951 total of \$598,940,516.

Output figures for 1952 included \$643,151,105 for petroleum refineries and \$12,320,823 for concerns engaged in blending oils and greases, against corresponding totals in 1951 of \$587,852,999 and \$11,087,517 respectively. Absorption gasoline plants reported a value of \$4,884,656 in 1952. 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, 1948-1952**

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
			\$	\$	\$	\$
<b>Petroleum refining:</b>						
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
1951 .....	36	10,280	36,105,853	24,522,328	430,303,236	587,852,999
1952 .....	35	11,228	44,699,608	27,666,652	442,917,146	643,151,105
<b>Compounding oils and greases:</b>						
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
1952 .....	15	334	1,088,527	68,014	8,913,243	12,320,823
<b>Absorption gasoline<sup>1</sup>:</b>						
1952 .....	5	99	357,287	143,648	2,124,299	4,884,656
<b>TOTAL:</b>						
1948 .....	44	8,495	22,061,959	17,647,638	314,149,364	394,934,200
1949 .....	47	9,413	26,142,276	16,852,060	336,973,056	436,796,213
1950 .....	46	10,056	30,557,596	19,788,893	384,356,381	511,516,392
1951 .....	52	10,611	37,078,626	24,570,855	438,467,139	598,940,516
1952 .....	55	11,661	46,145,422	27,878,314	453,954,688	660,356,584

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. Data for this group, which in 1952 was made up of 5 plants in Alberta, are presented in this bulletin for the first time. These plants were not treated as a separate group prior to 1952 and, accordingly, earlier statistics are not available. Complete coverage for this group is given in Section (c), Tables 36-40.

TABLE 2. Principal Statistics of the Petroleum Products Industry by Provinces, 1951 and 1952

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>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>
<b>1952</b>						
Quebec .....	8	2,660	10,585,447	10,685,182	174,406,024	264,754,614
Ontario .....	13	5,228	20,629,093	9,389,528	117,895,839	171,412,733
Manitoba .....	4	367	1,390,899	985,012	19,411,027	25,282,153
Saskatchewan .....	8	811	3,085,910	1,699,040	36,693,483	50,438,097
Alberta .....	14	1,327	5,338,340	2,492,818	55,696,703	80,875,509
British Columbia .....	5	725	2,991,967	1,214,926	25,933,578	37,818,297
Nova Scotia .....	1	543	2,123,766	1,411,808	23,918,034	29,775,181
New Brunswick .....	1					
Northwest Territories .....	1					
<b>Canada .....</b>	<b>55</b>	<b>11,661</b>	<b>46,145,422</b>	<b>27,878,314</b>	<b>453,954,688</b>	<b>660,356,584</b>

## (a) The Petroleum Refining Industry, 1952

The 35 petroleum refineries which operated in Canada during 1952 (including one refinery in Ontario which discontinued operations in the spring of 1952) were distributed by provinces as follows: 4 in Quebec, 5 in Ontario, 4 in Manitoba, 7 in Saskatchewan, 9 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 448,400 barrels of crude oil per day of which Quebec had 165,000 barrels or 36.8 per cent; Ontario, 100,800 barrels or 22.5 per cent; Alberta, 61,300 barrels or 13.7 per cent; Saskatchewan, 47,400 barrels or 10.6 per cent; British Columbia, 29,350 barrels or 6.7 per cent; Nova Scotia, 22,000 barrels or 4.9 per cent; Manitoba, 20,500 barrels or 4.6 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 2,892,977,452 gallons of imported crude oil and 1,983,050,133 gallons of crude oil and absorption gasoline from Canadian wells, or a total of 4,876,027,585 gallons, was put through Canadian refineries, this amounting to about 35 per cent of the rated year-end capacity. Of the total crude input about 14 per cent was imported from the United States and nearly 45 per cent from other countries while about 41 per cent came from Canadian wells. The total cost at refineries of all crude oil and naphtha charged to stills during the year was \$416,637,222. Stocks of crude oil held at the refineries on December 31st amounted to 376,471,902 gallons.

Refinery production of gasoline amounted to 2,043,029,453 gallons, and, in addition, the refineries used for blending about 25,509,583 gallons of imported casinghead gasoline which is not in-

cluded in the Canadian production figures. The gallonage of gasoline made in 1952 was 11 per cent over 1951 which, in turn, was 15 per cent over 1950. The refinery selling value of the gasoline made during the year was \$327,477,329. Stocks of gasoline held by the refineries on December 31st, included 162,944,072 gallons of motor or aviation gasoline and 743,355 gallons of imported casinghead gasoline. In 1952 there was an output of 20,027,066 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 250,206,488 gallons during 1952, while exports, including re-exports, totalled 32,088,970 gallons. Sales, as reported to the Bureau on a monthly basis, amounted to 2,343,660,000 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 2,294,470,999 gallons of which 2,122,638,719 gallons were made for sale and 171,832,280 gallons for use as fuel in the producing plants. Imports amounted to 792,946,342 gallons and exports, including re-exports, totalled 195,938 gallons. Producers' stocks of all fuel oils increased by 44,343,826 gallons to 335,935,748 gallons at the end of the year. Consumption of fuel oils and distillate in Canada, as reported by distributors and refiners, amounted to 2,925,647,174 gallons in 1952.

Employment in the refining industry totalled 11,228 persons who received \$41,699,608 in salaries and wages. Expenditures for fuel and electricity amounted to \$27,666,652 and \$442,917,146 were paid out for crude oil and other processing materials.

TABLE 3. Number and Total Capacity of Petroleum Refineries in Operation December 31, 1949-1952

Province	1949		1950		1951		1952	
	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	22,000	1	22,000	1	22,000	1	22,000
New Brunswick .....	1	300	1	300	1	300	1	300
Quebec .....	4	124,000	4	143,000	4	160,000	4	165,000
Ontario .....	5	83,700	4	75,200	4	79,400	4 <sup>1</sup>	100,800
Manitoba .....	3	7,300	3	7,800	4	20,500	4	20,500
Saskatchewan .....	7	26,475	8	33,575	8	38,400	7	47,400
Alberta .....	7	43,200	7	46,900	10	60,550	9	61,300
British Columbia .....	3	28,850	3	28,850	3	28,850	3	29,850
Northwest Territories .....	1	1,000	1	1,250	1	1,250	1	1,250
<b>Canada .....</b>	<b>32</b>	<b>336,825</b>	<b>32</b>	<b>358,875</b>	<b>36</b>	<b>411,250</b>	<b>34<sup>1</sup></b>	<b>448,400</b>

Note. 1 Barrel = 35 Imperial gallons.

1. This figure does not include 1 refinery which discontinued operations in the spring of 1952.

TABLE 4. Principal Statistics of the Petroleum Refining Industry, 1948-1952

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
			\$	\$	\$	\$
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
1951 .....	36	10,280	36,105,853	24,522,328	430,303,236	587,852,999
1952 .....	35	11,228	44,699,608	27,666,652	442,917,146	643,151,105

TABLE 5. Principal Statistics of the Petroleum Refining Industry by Provinces, 1951 and 1952

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
			\$	\$	\$	\$
1951						
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>
1952						
Quebec .....	4	2,568	10,322,472	10,645,655	171,256,756	259,337,592
Ontario .....	5	5,001	19,848,054	9,366,891	112,357,907	164,865,259
Manitoba .....	4	367	1,390,899	985,012	19,411,027	25,282,153
Saskatchewan .....	7	803	3,064,860	1,693,840	36,543,733	50,219,797
Alberta .....	9	1,228	4,981,053	2,349,170	53,572,404	75,990,853
British Columbia .....	3	718	2,968,504	1,214,276	25,857,285	37,680,270
Other provinces <sup>1</sup> .....	3	543	2,123,766	1,411,808	23,918,034	29,775,181
<b>Canada .....</b>	<b>35</b>	<b>11,228</b>	<b>44,699,608</b>	<b>27,666,652</b>	<b>442,917,146</b>	<b>643,151,105</b>

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

TABLE 6. Products Made in Petroleum Refineries, 1951 and 1952

Product	Unit of measure	1951		1952	
		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.	14,303,299	3,462,420	16,469,121	4,465,127
Motor gasoline .....	"	1,829,234,569	296,589,970	2,025,718,219	322,836,187
Naphtha specialties .....	"	35,388,044	6,530,147	30,103,398	5,890,838
Tractor fuel .....	"	17,111,937	2,801,124	13,082,116	1,919,914
Aviation turbine fuel .....	"	8,105,524	1,212,969	13,251,583	2,325,762
Kerosene .....	"	21,933,940	3,518,001	16,291,308	2,697,980
Stove oil (No. 1 fuel oil) .....	"	256,618,914	34,956,563	239,749,869	35,056,157
Diesel fuel .....	"	262,511,518	31,483,549	339,430,730	40,833,273
Light fuel oils (Nos. 2 and 3):					
Furnace fuel oil .....	"	446,065,725	55,118,077	480,454,728	63,062,285
Other light fuel oil .....	"	66,749,594	7,141,430	63,613,468	6,951,819
Heavy fuel oils (Nos. 4, 5 and 6) .....	"	827,216,938	65,223,370	956,764,917	71,381,895
Lubricating oil .....	"	66,546,459	24,580,806	59,257,846	23,767,821
Lubricating grease .....	pound	34,079,639	2,618,280	31,700,701	2,452,660
Asphalt .....	Imp. gal.	171,961,361	21,206,933	188,807,882	23,364,599
Petroleum coke .....	ton	120,604	1,223,962	150,750	1,650,342
Liquefied petroleum gases .....	Imp. gal.	14,248,298	1,112,462	21,838,333	2,412,439
Other products <sup>1</sup> .....	-	-	6,676,056	-	6,884,716
<b>Total - Made for sale .....</b>	-	-	<b>565,456,119</b>	-	<b>617,953,814</b>
<b>Made for own use:</b>					
Gasoline .....	Imp. gal.	769,723	171,898	842,113	176,015
Naphtha specialties .....	"	88,708	18,344	55,568	11,488
Kerosene .....	"	9,437	1,654	7,674	1,317
Stove oil (No. 1 fuel oil) .....	"	23,661	3,666	21,535	3,335
Diesel fuel .....	"	372,131	52,299	481,268	63,252
Light fuel oils (Nos. 2 and 3) .....	"	275,921	33,459	259,017	33,681
Heavy fuel oils (Nos. 4, 5 and 6) .....	"	165,521,893	13,431,684	171,062,786	14,162,451
Lubricating oil .....	"	66,262	23,223	63,796	23,030
Asphalt .....	"	76,592	10,946	248,722	35,150
Petroleum coke .....	ton	44,085	450,212	52,638	506,920
Still gas .....	M cu. ft.	16,486,074	7,781,417	19,462,295	9,869,340
Other products .....	-	-	418,078	-	311,312
<b>Total - Made for own use .....</b>	-	-	<b>22,396,880</b>	-	<b>25,197,291</b>
<b>Grand total .....</b>	-	-	<b>587,852,999</b>	-	<b>643,151,105</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, 1951 and 1952

Material	Unit of measure	1951		1952	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Crude oil (under 60° A.P.I.) in its natural state, from Canadian wells .....	Imp. gal.	1,485,717,234	135,617,351	1,966,888,778	163,029,334
Absorption gasoline, etc., from Canadian wells (run to stills) .....	Imp. gal.	14,537,402	1,473,755	16,161,355	1,394,244
Crude oil, in its natural state, imported, (run to stills):					
From United States .....	"	750,511,487	69,006,834	668,621,323	58,914,728
From South America .....	"	1,582,681,255	150,169,224	1,787,162,350	155,936,758
From other countries .....	"	581,818,898	51,291,794	406,955,882	34,309,192
Crude oil, not in its natural state (run to stills)	"	32,356,632	3,600,416	30,237,897	3,102,966
Blending stocks for gasoline:					
Benzol .....	Imp. gal.	208,389	41,739	1,340	384
Alkylate .....	"	7,723,741	2,036,343	7,362,437	1,672,388
Other .....	"	2,807,733	462,562	4,100,342	668,264
Phenol .....	pound	1,206,931	176,853	1,418,707	278,462
Sulphuric acid, 100% .....	"	25,368,389	376,515	18,980,868	326,318

TABLE 7. Materials Used in Petroleum Refineries, 1951 and 1952 - Concluded

Material	Unit of measure	1951		1952	
		Quantity	Cost at works	Quantity	Cost at works
Sulphur .....	pound	316,855	\$ 10,922	515,434	\$ 19,788
Caustic soda .....	"	10,414,951	367,642	13,251,078	494,285
Soda ash .....	"	1,229,273	36,996	1,450,280	47,469
Litharge .....	"	198,708	42,291	573,406	115,256
Fuller's earth, bentonite and other clays ..	"	27,574,000	789,884	27,210,000	720,487
Compounding materials .....	-	-	11,208	-	6,263
Tetraethyl fluid .....	c.c.	4,783,918,496	8,950,933	5,676,975,166	9,959,944
Dyes for gasoline .....	-	-	78,207	-	79,597
Inhibitor .....	-	-	356,855	-	388,038
Other materials .....	-	-	3,639,873	-	9,353,458
Shipping containers .....	-	-	1,765,039	-	2,099,523
<b>Total .....</b>	-	-	<b>430,303,236</b>	-	<b>442,917,146</b>

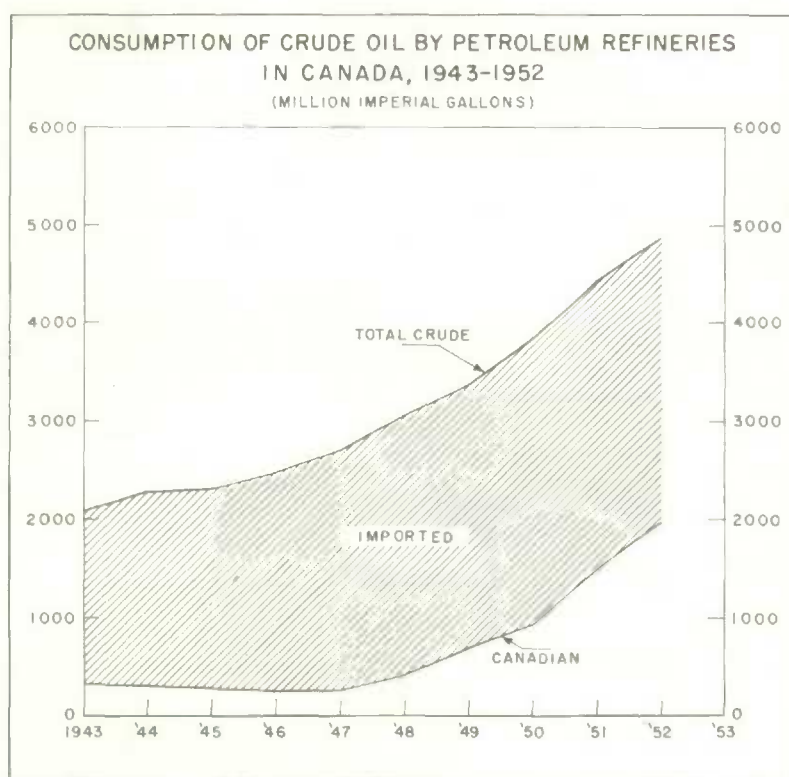


TABLE 8. Consumption of Crude Oil in Petroleum Refineries, Showing Canadian and Imported Separately, 1943-1952

Year	Canadian <sup>1</sup>	Imported <sup>2</sup>	Total
	Imperial gallons		
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
1952 .....	1,983,050,133	2,892,977,452	4,876,027,585

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, 1952**  
(These items not included in previous tables)

Imported natural casinghead gasoline received at the refinery during the year ....	Imp. gal.	25,431,708
	\$	3,286,347
Imported natural casinghead gasoline used for blending during the year .....	Imp. gal.	25,509,583
Total stocks of imported natural casinghead gasoline at the end of the year .....	"	743,855

**TABLE 10. Stocks on Hand at the Refineries at the End of 1952**

	Stocks on hand at refineries on December 31, 1952	Increase or decrease compared with December 31, 1951
	Imperial gallons	
Crude oil and naphtha, in its natural state, from Canadian wells .....	217,245,214	+ 67,018,340
Absorption gasoline, etc., from Canadian wells .....	1,044,906	- 397,025
Crude oil, imported:		
In its natural state .....	157,860,552	+ 13,660,459
Not in its natural state .....	321,230	- 70,980
<b>Total crude</b> .....	<b>376,471,902</b>	<b>+ 85,210,794</b>
Naphtha specialties .....	4,551,307	- 893,821
Aviation gasoline .....	1,630,000	- 8,471,137
Motor gasoline .....	161,314,072	- 14,521,308
Tractor fuel .....	3,394,291	+ 1,214,146
Aviation turbine fuel .....	1,609,193	+ 898,169
Kerosene .....	5,294,640	- 601,411
Stove oil (No. 1 fuel oil) .....	35,120,507	- 1,418,764
Diesel fuel .....	83,131,615	+ 40,215,316
Light fuel oils (Nos. 2 and 3)—Furnace fuel oil .....	79,890,483	- 18,484,507
Other light fuel oil .....	3,529,995	- 3,596,603
Heavy fuel oils (Nos. 4, 5 and 6) .....	127,965,024	+ 26,117,480
Lubricating oils .....	7,971,450	+ 7,554
<b>Total refined</b> .....	<b>515,402,577</b>	<b>+ 20,464,814</b>

**TABLE 11. Production of Crude Petroleum, by Provinces, 1951 and 1952**

Province	1951		1952	
	Barrels	\$	Barrels	\$
New Brunswick .....	15,551	21,771	14,237	19,932
Ontario .....	197,171	677,905	191,814	641,037
Manitoba .....	10,698	26,478	104,826	229,299
Saskatchewan .....	1,249,281	1,659,045	1,696,505	2,256,352
Alberta .....	45,915,384	113,870,152	58,915,723	139,512,432
Northwest Territories .....	227,449	399,887	314,217	379,160
<b>Canada</b> .....	<b>47,615,534</b>	<b>116,655,238</b>	<b>61,237,322</b>	<b>143,038,212</b>



TABLE 12. World Crude Oil Production, 1939 and 1951-1953

	1939	1951	1952	1953
	Thousands of barrels daily			
<b>North America:</b>				
United States .....	3,465.7	6,149.0	6,264.5	6,454.0
Canada .....	19.1	130.5	167.0	220.2
Mexico .....	162.0	210.2	214.8	196.6
<b>North America</b> .....	<b>3,646.8</b>	<b>6,489.7</b>	<b>6,646.3</b>	<b>6,870.8</b>
<b>South America:</b>				
Venezuela .....	567.0	1,704.6	1,803.9	1,760.8
Colombia .....	65.5	105.3	105.0	108.1
Argentina .....	51.0	66.9	68.2	76.9
Trinidad .....	52.8	57.1	57.4	60.8
Peru .....	37.1	44.0	45.5	44.6
Ecuador .....	6.3	7.4	7.7	7.9
Chile .....	—	2.0	2.2	3.2
Brazil .....	—	1.9	1.9	2.7
Bolivia .....	0.6	1.4	1.4	1.4
Cuba .....	0.3	0.3	0.3	0.1
<b>South America and Caribbean</b> .....	<b>780.6</b>	<b>1,990.9</b>	<b>2,094.3</b>	<b>2,066.5</b>
<b>Western Hemisphere</b> .....	<b>4,427.4</b>	<b>8,480.6</b>	<b>8,740.6</b>	<b>8,937.3</b>
<b>Europe:</b>				
Romania .....	128.5	100.0	90.0	92.5
Austria .....	11.7	44.0	55.0	59.5
Germany .....	12.3	26.5	33.9	42.3
Netherlands .....	—	13.6	13.6	15.5
France .....	1.4	5.6	6.6	7.1
Hungary .....	3.0	10.5	9.5	14.0
Poland .....	10.7	3.7	4.0	4.0
Albania .....	2.5	3.0	3.0	3.0
Yugoslavia .....	—	3.2	3.2	3.0
Algeria .....	—	—	0.8	2.1
Czechoslovakia .....	0.2	1.9	2.5	2.5
French Morocco .....	—	1.6	2.1	2.1
Italy .....	0.2	0.4	1.3	1.9
United Kingdom .....	0.1	0.9	1.1	1.1
<b>Europe excluding U.S.S.R.</b> .....	<b>170.6</b>	<b>214.9</b>	<b>226.6</b>	<b>250.6</b>
U.S.S.R. ....	603.0	842.0	940.0	1,040.0
<b>Europe</b> .....	<b>773.6</b>	<b>1,056.9</b>	<b>1,166.6</b>	<b>1,290.6</b>
<b>Near and Middle East:</b>				
Kuwait .....	—	563.0	752.4	860.0
Saudi Arabia .....	10.8	761.5	822.5	845.0
Iraq .....	84.5	174.6	383.4	574.9
Qatar .....	—	49.6	68.4	88.7
Egypt .....	12.8	44.7	45.0	46.7
Bahrain .....	20.8	30.0	30.1	30.0
Iran .....	214.0	350.0	27.5	25.2
Turkey .....	—	0.4	0.4	0.6
<b>Near and Middle East</b> .....	<b>342.9</b>	<b>1,973.8</b>	<b>2,129.7</b>	<b>2,471.1</b>
<b>Far East and Oceania:</b>				
Indonesia .....	170.0	151.7	170.9	202.4
British Borneo .....	20.0	103.0	104.5	100.4
India .....	—	5.3	5.5	6.5
Japan .....	7.3	6.4	5.8	5.7
New Guinea .....	—	4.8	4.7	4.8
Pakistan <sup>1</sup> .....	28.0	3.6	4.1	4.4
Burma .....	—	2.2	2.3	2.5
China .....	—	2.0	2.0	2.5
<b>Far East</b> .....	<b>225.3</b>	<b>279.0</b>	<b>299.8</b>	<b>329.2</b>
<b>Eastern Hemisphere</b> .....	<b>1,341.8</b>	<b>3,309.7</b>	<b>3,596.1</b>	<b>4,090.9</b>
<b>World total</b> .....	<b>5,769.2</b>	<b>11,790.3</b>	<b>12,336.7</b>	<b>13,028.2</b>

1. India and Burma included.

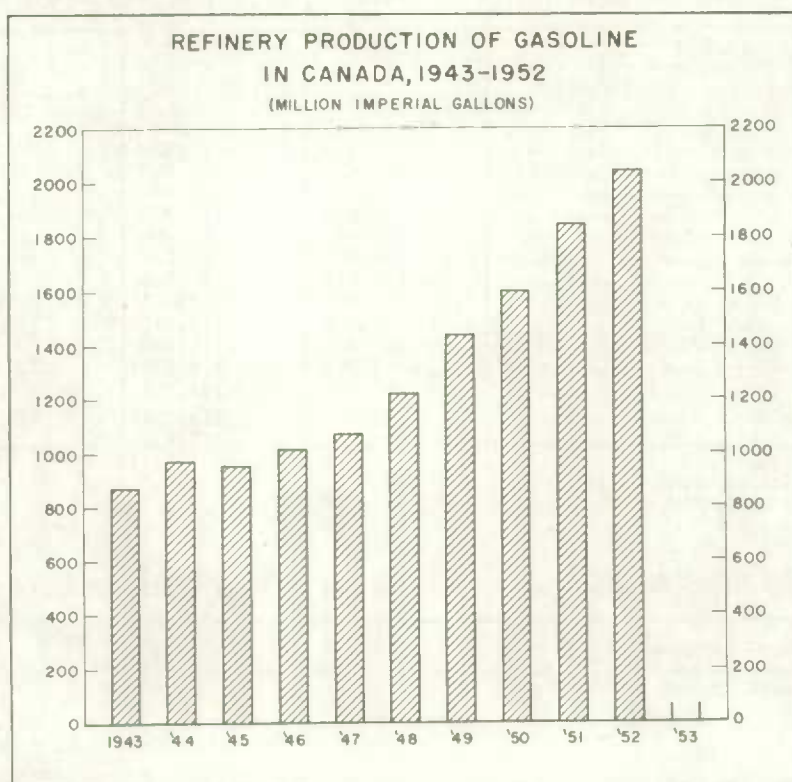
TABLE 13. Crude Oil Production by Principal Nations and Hemispheres, 1939 and 1951-1953

	1939	1951	1952	1953
	%	%	%	%
<b>Principal Nations:</b>				
United States .....	60.0	52.2	50.8	49.5
Venezuela .....	9.8	14.5	14.6	13.5
U.S.S.R. ....	10.5	6.9	7.6	8.0

TABLE 13. Crude Oil Production by Principal Nations and Hemispheres, 1939 and 1951-1953 - Concluded

	1939	1951	1952	1953
	%	%	%	%
<b>Principal Nations - concluded:</b>				
Kuwait .....	—	5.0	6.1	6.6
Saudi Arabia .....	0.2	6.5	6.7	6.5
Iraq .....	1.5	1.5	3.1	4.4
Canada .....	—	1.1	1.3	1.7
Indonesia .....	2.9	1.3	1.4	1.6
Mexico .....	2.8	1.8	1.7	1.5
Colombia .....	1.1	0.9	0.9	0.8
Iran .....	3.7	3.0	0.2	0.2
<b>Western Hemisphere</b> .....	<b>76.7</b>	<b>72.1</b>	<b>70.8</b>	<b>68.6</b>
North America .....	63.2	55.1	53.8	52.7
South America .....	13.5	17.0	17.0	15.9
<b>Eastern Hemisphere</b> .....	<b>23.3</b>	<b>27.9</b>	<b>29.2</b>	<b>31.4</b>
Middle East .....	6.0	16.8	17.3	19.0
Oceania and Far East .....	4.1	2.3	2.4	2.5
Europe (including U.S.S.R.) .....	13.2	8.7	9.5	9.9

Source: Data for Tables 12 and 13 were extracted from "World Petroleum", January, 1954.  
 Note. 1 barrel = 35 Imperial gallons.

TABLE 14. Refinery Production<sup>1</sup> of Gasoline, 1943-1952

Year	Motor gasoline	Aviation gasoline	Total
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
1952 .....	2,026,559,850	16,469,603	2,043,029,453

1. Includes production made for own use.

TABLE 15. Gross Sales<sup>3</sup> of Gasoline, by Provinces, 1949-1952

Province	1949	1950	1951	1952
Thousands of Imperial gallons				
Newfoundland.....	1	1	4,523 <sup>2</sup>	13,820 <sup>2</sup>
Prince Edward Island.....	8,240	9,085	10,246	10,832
Nova Scotia.....	57,443	61,349	65,777	69,174
New Brunswick.....	56,686	58,815	63,615	67,361
Quebec.....	304,139	340,621	372,853	430,671
Ontario.....	623,685	687,730	766,492	844,163
Manitoba.....	104,023	112,496	127,658	148,274
Saskatchewan.....	168,267	176,118	192,585	238,664
Alberta.....	218,936	241,388	272,992	329,255
British Columbia.....	142,297	155,424	173,070	191,445
<b>Total gross sales.....</b>	<b>1,683,717</b>	<b>1,843,026</b>	<b>2,049,812</b>	<b>2,343,660</b>

1. Not available.
2. Gross sales of motor and tractor grades only; first reported September, 1951.
3. Sold for all purposes.

TABLE 16. Gross Sales of Gasoline, by Months, 1949-1952

Month	1949	1950	1951	1952
Thousands of Imperial gallons				
January.....	86,373	97,093	121,365	136,053
February.....	82,421	93,663	109,429	129,917
March.....	99,523	110,887	120,542	137,401
April.....	130,508	116,339	134,106	170,171
May.....	168,771	188,092	217,688	252,327
June.....	168,029	188,583	205,339	214,798
July.....	170,114	188,047	212,033	246,948
August.....	193,763	212,827	224,070	242,307
September.....	180,476	189,049	199,364	236,403
October.....	155,865	178,910	200,855	230,939
November.....	133,769	154,634	161,983	176,687
December.....	114,105	124,902	143,037	169,705
<b>Total.....</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>	<b>2,343,660</b>

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

TABLE 17. Gross Sales of Gasoline, by Months and by Provinces, 1952, and Totals for 1951

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.....	857	451	4,073	4,125	25,937	54,603	7,110	7,728	19,340	11,830	136,053
February.....	728	372	3,691	3,543	24,321	52,430	6,680	6,951	18,790	12,412	129,917
March.....	794	263	3,831	3,876	25,129	55,484	7,612	7,556	19,374	13,483	137,401
April.....	904	489	5,009	4,014	27,212	65,726	13,201	17,446	21,388	14,782	170,171
May.....	1,100	1,251	6,225	6,173	49,697	80,492	16,169	35,432	39,090	16,698	252,327
June.....	1,222	1,181	6,186	6,299	38,571	76,190	13,671	25,086	29,440	16,953	214,798
July.....	1,467	1,263	7,659	7,689	50,862	87,132	15,465	25,580	30,477	19,353	246,948
August.....	1,473	1,320	7,438	7,405	43,221	83,722	17,575	28,803	32,388	18,962	242,307
September.....	1,393	1,177	6,854	7,132	40,900	79,200	17,136	29,942	34,289	18,381	236,403
October.....	1,443	1,193	6,663	6,681	40,555	80,016	14,458	26,334	35,962	17,633	230,939
November.....	1,209	1,025	5,786	5,268	33,369	64,744	9,842	15,194	24,954	15,296	176,687
December.....	1,230	847	5,759	5,156	30,898	64,426	9,355	12,610	23,763	15,663	169,705
<b>Totals for 1952....</b>	<b>13,820</b>	<b>10,832</b>	<b>69,174</b>	<b>67,361</b>	<b>430,671</b>	<b>844,163</b>	<b>148,274</b>	<b>238,664</b>	<b>329,255</b>	<b>191,445</b>	<b>2,343,660</b>
<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>

1. Newfoundland included for only last four months of 1951.

TABLE 18. Net Sales<sup>2</sup> of Gasoline, by Provinces, 1949-1952

Province	1949	1950	1951	1952
	Thousands of Imperial gallons			
Newfoundland .....	7, 188 <sup>1</sup>	8, 842 <sup>1</sup>	10, 816 <sup>1</sup>	12, 745 <sup>1</sup>
Prince Edward Island.....	6, 178	6, 554	8, 610	8, 730
Nova Scotia.....	49, 282	50, 845	54, 352	57, 229
New Brunswick.....	48, 408	51, 285	55, 636	58, 787
Quebec.....	274, 671	307, 433	337, 259	390, 593
Ontario.....	522, 606	582, 212	642, 537	695, 348
Manitoba.....	60, 281	70, 068	73, 449	83, 111
Saskatchewan.....	77, 844	81, 215	89, 513	113, 260
Alberta.....	102, 150 <sup>3</sup>	113, 361 <sup>3</sup>	126, 108	153, 545
British Columbia.....	106, 274	112, 275	130, 626	144, 762
<b>Canada.....</b>	<b>1, 254, 882<sup>3</sup></b>	<b>1, 390, 090<sup>3</sup></b>	<b>1, 528, 906</b>	<b>1, 718, 112</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: 1949, 109,110 thousand gallons; 1950, 118,601 thousand gallons.

TABLE 19. Provincial Government Receipts from Gasoline Taxes, by Provinces, 1949-1952

Province	1949	1950	1951	1952
	\$	\$	\$	\$
Newfoundland .....	1, 006, 356	1, 251, 928	1, 514, 260	1, 795, 005
Prince Edward Island.....	855, 776	960, 238	1, 002, 323	1, 160, 531
Nova Scotia.....	6, 246, 491	6, 590, 526	7, 852, 411	8, 819, 929
New Brunswick.....	5, 535, 767	5, 731, 589	6, 322, 761	6, 832, 399
Quebec.....	30, 908, 312	37, 156, 111	47, 635, 063	50, 517, 560
Ontario.....	58, 223, 133	65, 040, 229	71, 382, 060	77, 647, 918
Manitoba.....	5, 291, 780	5, 997, 075	6, 679, 830	7, 422, 949
Saskatchewan.....	7, 882, 783	8, 331, 276	9, 388, 465	11, 758, 528
Alberta.....	10, 635, 059	11, 609, 189	12, 766, 293	15, 378, 525
British Columbia.....	11, 163, 046	12, 400, 167	13, 843, 038	15, 364, 145
Yukon.....	80, 813	78, 257	118, 803	188, 077
<b>Total receipts.....</b>	<b>137, 834, 316</b>	<b>155, 146, 585</b>	<b>178, 505, 307</b>	<b>196, 885, 566</b>

TABLE 20. Revenues from Motor Vehicle Registrations and Gasoline Taxes, 1943-1952

Year	From motor vehicle registrations	From gasoline taxes	Year	From motor vehicle registrations	From gasoline taxes
	\$	\$		\$	\$
1943 .....	30, 292, 019	70, 355, 731 <sup>1</sup>	1948 .....	51, 287, 732	124, 330, 987
1944 .....	30, 584, 711	77, 192, 353 <sup>1</sup>	1949 .....	58, 205, 854	137, 834, 316
1945 .....	32, 166, 464	87, 666, 795 <sup>1</sup>	1950 .....	67, 185, 528	155, 146, 585
1946 .....	39, 787, 935	108, 573, 195 <sup>1</sup>	1951 .....	73, 707, 694	178, 505, 307
1947 .....	46, 004, 131	119, 668, 069 <sup>1</sup>	1952 .....	81, 119, 360	196, 885, 566

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, 1949-1952

Province	1949	1950	1951	1952
	Number			
Newfoundland .....	13,981	16,375	20,058	23,630
Prince Edward Island .....	13,211	15,383	16,896	18,717
Nova Scotia .....	83,443	94,743	105,262	114,982
New Brunswick .....	67,280	74,415	83,023	89,839
Quebec .....	384,733	433,701	500,729	574,974
Ontario .....	970,137	1,104,080	1,205,098	1,291,753
Manitoba .....	139,836	157,788	171,265	187,881
Saskatchewan .....	185,027	199,866	215,450	237,014
Alberta .....	200,428	230,624	259,841	291,469
British Columbia .....	230,008	270,312	291,417	321,482
Yukon and Northwest Territories .....	2,544	3,224	3,381	4,083
<b>Canada .....</b>	<b>2,290,628</b>	<b>2,600,511</b>	<b>2,872,420</b>	<b>3,155,824</b>

TABLE 22. Registrations of Motor Vehicles, by Types, 1952

Province	Passenger cars	Motor trucks	Motor buses	Motor-cycles	Tractors	Other motor vehicles	Total
	Number						
Newfoundland .....	15,936	6,635	333	340	64	322	23,630
Prince Edward Island .....	11,667	4,865	20	100	2,065 <sup>2</sup>	—	18,717
Nova Scotia .....	74,831	34,054	1	1,512	4,585	—	114,982
New Brunswick .....	58,991	22,282	436	1,313	4,451	2,366	89,839
Quebec .....	402,864	132,525	3,124	16,016	14,069 <sup>2</sup>	6,376	574,974
Ontario .....	1,024,816	253,530	1	13,407	1	1	1,291,753
Manitoba .....	131,992	49,985	189	2,000	2,616	1,099	187,881
Saskatchewan .....	147,824	87,834	123	1,071	162 <sup>3</sup>	—	237,014
Alberta .....	189,287	97,678	487	2,369	1	1,648	291,469
British Columbia .....	236,711	78,621	1	3,929	2,221 <sup>2</sup>	1	321,482
Yukon and Northwest Territories .....	1,516	2,519	20	28	1	1	4,083
<b>Canada .....</b>	<b>2,296,435</b>	<b>770,528</b>	<b>4,732</b>	<b>42,085</b>	<b>30,233</b>	<b>11,811</b>	<b>3,155,824</b>

1. Included with trucks.

2. Farm tractors only. Road tractors included with trucks.

3. Does not include those used only on farms.

TABLE 23. Petroleum Coke: Deliveries For Consumption, 1951 and 1952 (Used as fuel only — not as manufacturing materials)

Fuel for domestic and industrial heating	1951	1952
	Tons	
Atlantic provinces .....	—	—
Quebec .....	2,260	—
Ontario .....	73,080	15,602
Manitoba .....	—	—
Saskatchewan .....	259	—
Alberta and Northwest Territories .....	—	—
British Columbia and Yukon .....	302	—
<b>Total .....</b>	<b>75,901</b>	<b>15,602</b>

TABLE 24. Fuel Oil and Distillate Deliveries: Deliveries for Consumption, by Provinces, 1952, and Totals for 1948-1951 (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.....	6,723,287	65,932,451	42,845,789	13,540,107	
2	For consumption under refinery boilers .....	16,881,100	70,905,027	64,382,753	9,600,786	
3	For electric light plants .....	69,103	—	—	—	
4	For industrial purposes, as fuel or material .....	63,439,800	144,787,090	140,352,719	19,594,457	
5	For tractors and other motor vehicles, as fuel .....	980,123	—	10,000	—	
6	To railways.....	22,449,420	3,195,655	5,181,597	9,816,182	
7	To ships for bunkering .....	62,902,107	125,104,068	23,481,226	78,820	
8	For unspecified uses.....	—	—	—	—	
9	<b>Total deliveries of fuel oils, all uses .....</b>	<b>173,444,940</b>	<b>409,924,291</b>	<b>276,254,084</b>	<b>52,630,352</b>	
	<b>(b) Heavy and Light Furnace Oils (Nos. 3 and 2):</b>					
10	For heating homes and buildings and for lighting and cooking.....	57,854,958	171,278,337	360,802,905	32,023,258	
11	To electric light plants.....	—	296,879	1,600	—	
12	For industrial purposes, as fuel or material .....	2,754,325	40,118,065	52,975,353	1,882,515	
13	For tractors and other motor vehicles, as fuel .....	—	230,435	191,328	—	
14	To railways.....	412,411	2,775,052	544,087	932,232	
15	To ships and boats, as fuel .....	231,628	48,005	16,377	—	
16	For unspecified uses.....	—	1,068,310	—	—	
17	<b>Total deliveries of furnace oils, all uses .....</b>	<b>61,253,322</b>	<b>215,815,583</b>	<b>414,531,650</b>	<b>34,838,005</b>	
	<b>(c) Diesel Fuel:</b>					
18	For heating homes and buildings and for lighting and cooking.....	473,411	1,910,858	3,370,430	2,910	
19	To electric light plants.....	3,009,390	122,399	570,286	421,511	
20	For industrial purposes, as fuel or material .....	5,049,831	2,346,905	6,184,344	578,573	
21	For tractors and other motor vehicles, as fuel .....	11,197,854	16,075,610	14,332,764	11,923,342	
22	To railways.....	7,749,046	13,905,172	37,876,894	2,611,613	
23	To ships and boats, as fuel .....	15,232,679	14,405,172	4,568,101	—	
24	For unspecified uses.....	—	2,534,317	3,134,400	—	
25	<b>Total deliveries of diesel fuel, all uses .....</b>	<b>42,712,211</b>	<b>51,300,433</b>	<b>70,037,219</b>	<b>15,537,949</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.....	42,493,616	119,022,168	86,594,839	6,401,704	
27	To railways.....	238,639	284,406	322,873	245,228	
28	To electric light plants.....	—	41,457	1,075	114,486	
29	For industrial purposes, as fuel or material .....	254,331	2,353,361	1,782,599	539,519	
30	For tractors and other motor vehicles, as fuel .....	—	167,605	2,192,331	5,496,376	
31	For unspecified uses.....	4,376,941	1,660,326	3,414,093	—	
32	<b>Total deliveries of section (d), all uses .....</b>	<b>47,363,527</b>	<b>123,529,323</b>	<b>94,307,810</b>	<b>12,797,313</b>	
33	<b>Total all fuels .....</b>	<b>324,774,000</b>	<b>800,569,630</b>	<b>855,130,763</b>	<b>115,803,619</b>	
34	<b>Total all fuels: 1951 .....</b>	<b>285,605,714</b>	<b>700,242,470</b>	<b>801,174,262</b>	<b>95,783,905</b>	
35	1950 .....	243,239,861	625,083,227	641,262,208	63,300,192	
36	1949 .....	229,242,858	515,836,291	508,881,995	50,529,076	
37	1948 .....	185,847,559	488,950,975	502,841,132	44,948,525	

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, 1952, and Totals for 1948-1951 (As reported by Distributors and Refiners)

Saskatchewan	Alberta and Northwest Territories	British Columbia and Yukon	Canada		Canada		No.
			1952	Per cent of section total	1951	Per cent of section total	
Imperial gallons							
11, 121, 383	362, 010	37, 163, 512	177, 688, 539	12.5	147, 010, 431	10.8	1
18, 320, 749	24, 171, 059	15, 644, 021	219, 905, 495	15.6	209, 553, 025	15.4	2
15, 783, 831	—	—	15, 852, 934	1.1	16, 355, 528	1.2	3
16, 745, 858	8, 519, 402	93, 204, 815	486, 644, 141	34.4	500, 485, 951	36.8	4
—	—	—	990, 123	—	1, 006, 787	—	5
14, 611, 293	133, 277, 805	88, 446, 457	276, 978, 409	19.5	259, 530, 174	19.1	6
—	47, 397	28, 124, 918	239, 738, 536	16.9	227, 915, 951	16.7	7
—	—	—	—	—	—	—	8
<b>76, 583, 114</b>	<b>166, 377, 673</b>	<b>262, 583, 723</b>	<b>1, 417, 798, 177</b>	<b>100.0</b>	<b>1, 361, 857, 847</b>	<b>100.0</b>	<b>9</b>
40, 000, 177	12, 159, 440	49, 869, 093	723, 988, 168	86.3	583, 472, 891	87.3	10
—	833, 584	—	1, 132, 063	0.1	117, 542	—	11
15, 915	522, 512	1, 298, 376	99, 567, 061	11.6	68, 476, 464	10.3	12
105, 259	46, 105	—	573, 127	0.7	2, 739, 588	.4	13
2, 623, 854	237, 405	2, 124, 798	9, 649, 839	1.2	9, 712, 784	1.5	14
250, 440	—	—	546, 450	—	1, 550, 719	.2	15
78, 761	—	—	1, 147, 571	0.1	2, 128, 979	.3	16
<b>43, 074, 406</b>	<b>13, 799, 046</b>	<b>53, 292, 267</b>	<b>836, 604, 279</b>	<b>100.0</b>	<b>668, 198, 967</b>	<b>100.0</b>	<b>17</b>
1, 528, 003	1, 767, 463	33, 077	9, 086, 152	2.8	12, 458, 931	4.9	18
5, 076, 076	3, 143, 054	4, 431, 184	16, 773, 900	5.3	16, 012, 335	6.2	19
97, 065	18, 616, 477	19, 592, 738	52, 465, 933	16.4	48, 427, 491	18.9	20
17, 704, 204	16, 919, 930	15, 231, 374	103, 385, 078	32.2	74, 742, 598	29.1	21
438, 260	5, 667, 115	5, 757, 037	74, 005, 137	23.0	48, 345, 216	18.8	22
—	325, 395	16, 229, 370	50, 760, 717	15.8	53, 093, 311	20.7	23
1, 477, 581	3, 123, 580	4, 131, 425	14, 401, 303	4.5	3, 501, 050	1.4	24
<b>26, 321, 189</b>	<b>49, 563, 014</b>	<b>65, 406, 205</b>	<b>320, 878, 220</b>	<b>100.0</b>	<b>256, 580, 932</b>	<b>100.0</b>	<b>25</b>
2, 822, 512	6, 878, 329	45, 261, 396	309, 474, 564	88.3	299, 603, 886	84.6	26
51, 180	173, 710	2, 804, 216	4, 120, 252	1.1	2, 564, 014	.7	27
—	5, 404	—	162, 422	—	400, 356	.1	28
7, 549	1, 554, 654	334, 779	6, 826, 792	2.0	24, 083, 631	6.9	29
6, 728, 489	4, 913, 972	273, 433	19, 772, 206	5.7	21, 237, 969	6.0	30
—	558, 902	—	10, 010, 262	2.9	5, 999, 459	1.7	31
<b>9, 609, 730</b>	<b>14, 084, 971</b>	<b>48, 673, 824</b>	<b>350, 366, 498</b>	<b>100.0</b>	<b>353, 889, 315</b>	<b>100.0</b>	<b>32</b>
<b>155, 588, 439</b>	<b>243, 824, 704</b>	<b>429, 956, 019</b>	<b>2, 925, 647, 174</b>	<b>100.0</b>	<b>2, 640, 527, 061</b>	<b>100.0</b>	<b>33</b>
169, 991, 637	222, 277, 195	365, 451, 878	2, 640, 527, 061	—	—	—	34
158, 088, 069	209, 044, 337	323, 526, 497	2, 263, 544, 391	—	—	—	35
128, 907, 084	144, 486, 082	308, 022, 588	1, 885, 905, 974	—	—	—	36
96, 223, 977	120, 996, 569	315, 354, 244	1, 755, 162, 981	—	—	—	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), 1952

Fifteen factories were occupied chiefly in compounding lubricating oils and greases in Canada during 1952. Eight of these plants were located in Ontario, 4 in Quebec, 2 in British Columbia and 1 in Saskatchewan. They gave work to a total of 334 people who were paid \$1,088,527 as salaries and wages. Purchases of processing materials and containers cost \$8,913,243. Included in the year's output were lubricating oils at \$9,972,901, lubricating greases at \$2,255,045 and soaps or soap powders at \$62,961.

Total Canadian output of lubricating oils, including production from the refineries, amounted to 72,143,359 gallons in 1952 against 79,123,562 gallons in 1951. Corresponding figures for lubricating greases totalled 50,476,080 pounds in 1952 and 49,330,954 pounds in 1951. Sales of lubricating oils, as reported by principal dealers, amounted to 81,928,000 gallons in 1952, while sales of lubricating greases totalled 97,457,000 pounds.

TABLE 25. Principal Statistics of the Lubricating Oils and Greases Industry, 1948-1952

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
			\$	\$	\$	\$
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
1952.....	15	334	1,088,527	68,014	8,913,243	12,320,823

TABLE 26. Principal Statistics of the Lubricating Oils and Greases Industry, by Provinces, 1951 and 1952

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
			\$	\$	\$	\$
1951						
Ontario .....	3	43	105,136	21,323	1,039,942	1,424,439
Quebec .....	10	277	839,788	26,294	7,046,719	9,514,741
British Columbia.....	3	11	27,849	910	77,242	148,337
<b>Canada .....</b>	<b>16</b>	<b>331</b>	<b>972,773</b>	<b>48,527</b>	<b>8,163,903</b>	<b>11,087,517</b>
1952						
Quebec .....	4	92	262,975	39,527	3,149,268	5,417,022
Ontario .....	8	227	781,039	22,637	5,537,932	6,547,474
Saskatchewan .....	1	15	44,513	5,850	226,043	356,327
British Columbia.....	2					
<b>Canada .....</b>	<b>15</b>	<b>334</b>	<b>1,088,527</b>	<b>68,014</b>	<b>8,913,243</b>	<b>12,320,823</b>



TABLE 27. Products Made in the Lubricating Oils and Greases Industry, 1951 and 1952

Product	Unit of measure	1951		1952	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
			\$		\$
Greases, lubricating .....	pound	15,241,823	1,877,898	18,765,772	2,255,045
Oils, lubricating .....	gallon	12,510,841	8,984,945	12,822,217	9,972,901
Soap .....	—	—	86,450	—	62,961
All other products .....	—	—	138,224	—	29,916
<b>Total</b> .....	—	—	<b>11,087,517</b>	—	<b>12,320,823</b>

TABLE 28. Materials Used in the Lubricating Oils and Greases Industry, 1951 and 1952

Material	Unit of measure	1951		1952	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Compounding stocks (oils, etc.) .....	Imp. gal.	13,263,134	5,169,649	14,201,417	5,554,955
Tallow and grease .....	lb.	65,078	9,898	114,923	7,901
All other materials .....	—	—	2,029,667	—	1,498,312
Shipping containers .....	—	—	954,689	—	1,852,075
<b>Total</b> .....	—	—	<b>8,163,903</b>	—	<b>8,913,243</b>

TABLE 29. Sales of Lubricating Oils, 1951 and 1952 (As reported by principal dealers)

Province	Motor transport and tractor crankcase oil	Aircraft crankcase oils	Other oils (industrial, etc.)	Total all purposes
	Imperial gallons			
<b>1951</b>				
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>
<b>1952</b>				
Newfoundland .....	559,000	89,000	431,000	1,079,000
Maritimes .....	3,342,000	124,000	1,648,000	5,114,000
Quebec .....	8,639,000	244,000	6,092,000	14,975,000
Ontario .....	16,892,000	254,000	18,151,000	35,297,000
Manitoba .....	3,115,000	163,000	1,712,000	4,990,000
Saskatchewan .....	4,996,000	31,000	409,000	5,436,000
Alberta .....	6,521,000	120,000	1,096,000	7,737,000
British Columbia (including Yukon) .....	5,012,000	126,000	2,162,000	7,300,000
<b>Total - Canada</b> .....	<b>49,076,000</b>	<b>1,151,000</b>	<b>31,701,000</b>	<b>81,928,000</b>

TABLE 30. Sales of Lubricating Greases, 1951 and 1952 (As reported by principal dealers)

	Automotive		Industrial		Total	
	pounds					
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>	
Lubricating greases						
	Automotive			Industrial		Automotive gear oils
	pounds					
1952						
Newfoundland .....	297,000		181,000		478,000	255,000
Maritimes .....	1,802,000		1,436,000		3,238,000	1,915,000
Quebec .....	6,277,000		5,470,000		11,747,000	5,364,000
Ontario .....	9,864,000		14,434,000		24,298,000	12,395,000
Manitoba .....	2,296,000		1,942,000		4,238,000	2,878,000
Saskatchewan .....	6,478,000		372,000		6,850,000	4,138,000
Alberta .....	5,491,000		1,486,000		6,977,000	5,571,000
British Columbia (including Yukon) .....	2,381,000		1,598,000		3,979,000	3,136,000
<b>Total - Canada .....</b>	<b>34,886,000</b>		<b>26,919,000</b>		<b>61,805,000</b>	<b>35,652,000</b>

TABLE 31. Imports of Petroleum, Asphalt, and Their Products, 1951 and 1952

Item	1951		1952	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not .....	cwt. 331,410	823,429	219,641	646,570
Asphalt oil for paving .....	gal. 4,320	5,672	—	—
Oil, imported by miners or mining companies, for the concentration of ores or metals .....	" 202,609	215,708	217,530	230,009
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. ....	M gal. 2,914,911	231,035,772	2,841,968	206,838,147
Crude petroleum, n.o.p. ....	gal. 37,063	3,419	19,192	2,080
Fuel oil, ex-warehoused, for ships' stores .....	" 14,258,112	679,982	15,598,798	692,812
Kerosene, n.o.p. ....	" 18,971,434	2,321,563	33,814,292	4,013,338
Engine distillate, .8017 specific gravity or heavier at 60° Fah. ....	" 338,948	47,844	178,714	23,736
Gasoline, lighter than .8236 specific gravity at 60° Fah. ....	" 126,080,301	19,944,275	154,276,266	22,794,416
Aviation gasoline .....	" 54,983,367	11,147,501	72,428,954	13,895,589
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. 21,501,902	2,304,054	23,501,268	2,433,895
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon .....	" 7,115,193	1,383,875	14,120,488	2,731,861
Lubricating oils costing 25 cents or more per gallon .....	" 21,784,012	8,562,758	17,181,114	6,336,684
Oils, mineral, n.o.p. ....	" 1,846,267	2,762,520	2,436,490	3,217,696
Stove oil, No. 1 fuel oil .....	" 63,442,486	7,334,815	82,560,140	9,571,041

TABLE 31. Imports of Petroleum, Asphalt, and Their Products, 1931 and 1932

Item	1951		1952	
	Quantity	Value	Quantity	Value
		\$		\$
Light fuel and furnace oils, Nos. 2 and 3..... gal	166,419,260	18,115,943	266,037,963	27,949,749
Heavy fuel oils, Nos. 4, 5 and 6..... "	329,280,546	20,858,781	308,551,855	18,187,582
Diesel fuel..... "	115,536,027	11,399,048	86,204,845	8,506,898
Tractor fuel..... "	1,557	304	235	36
Petroleum greases and lubricating greases, n.o.p..... lb.	13,593,731	1,424,212	18,163,012	1,501,248
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes..... -	-	674,167	-	591,603
Paraffin wax..... lb.	37,292,220	2,815,827	30,290,450	1,957,224
Paraffin wax candles..... "	123,691	51,137	234,929	66,426
Naphtha, including solvent naphtha..... gal.	11,584,975	2,510,588	6,409,320	1,392,781
Products of petroleum n.o.p., lighter than .8236 specific gravity at 60° Fah..... "	4,297,263	2,227,005	5,932,173	2,285,920
Liquefied petroleum gases..... lb.	188,849,211	3,135,382	191,700,940	2,899,786
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.	33,360,906	2,108,638	54,303,428	3,195,322

TABLE 32. Exports of Petroleum and Its Products, 1951 and 1952

Item	1951		1952	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude..... gal.	11,962,316	806,729	49,855,950	3,452,231
Oil, coal and kerosene, refined..... "	5,946	1,573	2,754	653
Gasoline and naphtha..... "	212,772	47,853	32,083,079	5,035,108
Fuel oil..... "	215,194	33,017	132,254	21,254
Lubricating oil..... "	106,324	186,525	87,980	194,856
Oil, mineral, n.o.p..... "	69,204	10,317	12,568	8,375
Wax, mineral..... cwt.	105,986	952,370	20,416	180,715

TABLE 33. Employees and Their Earnings in the Lubricating Oils and Greases Industry, 1951 and 1952

Province	Number of employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
					\$	\$	\$	
1951								
Ontario.....	59	15	199	4	277	250,765	589,023	839,788
Other provinces.....	11	8	93	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>
1952								
Ontario.....	52	13	160	2	227	254,343	526,696	781,039
Other provinces.....	23	7	70	7	107	89,762	217,726	307,488
<b>Canada.....</b>	<b>75</b>	<b>20</b>	<b>230</b>	<b>9</b>	<b>334</b>	<b>344,105</b>	<b>744,422</b>	<b>1,088,527</b>



TABLE 36. Principal Statistics of the Absorption Gasoline Industry, 1952

Number of plants .....	No.	5
Number of employees .....	No.	99
Salaries and wages .....	\$	357,287
Cost of fuel and electricity at works .....	\$	143,648
Cost of materials at works .....	\$	2,124,299
Gross selling value of products at works .....	\$	4,884,656

TABLE 37. Products Made in the Absorption Gasoline Industry, 1952

Product	Quantity	Selling value at works
		\$
Dry gas <sup>1</sup> .....	M cu. ft.	32,192,859
Natural gasoline .....	Imp. gal.	20,027,066
Liquefied petroleum gases (propane and butane) .....	Imp. gal.	11,969,060
Sulphur .....	Tons	3,671
<b>Total</b> .....	-	<b>4,884,656</b>

1. Figures for this item should not be added to the production data shown for natural gas in the mineral production statistics for Canada. The latter compilation includes the wet gas transferred to absorption plants.

TABLE 38. Production of Natural Gasoline in Alberta, 1949-1952

	1949	1950	1951	1952
	barrels			
Production - by fields:				
Jumping pound .....	-	-	13,957	19,582
Leduc-Woodbend .....	-	15,022	43,597	66,500
Turner Valley .....	477,446	431,362	457,773	487,000
<b>Total Alberta</b> .....	<b>477,446</b>	<b>446,384</b>	<b>515,027</b>	<b>573,082</b>

TABLE 39. Production<sup>1</sup> and Imports of Liquefied Petroleum Gases, 1949-1952

Year	Production	Imports
	pounds	
1949 .....	43,000,000	142,506,000
1950 .....	63,000,000	155,476,000
1951 .....	112,000,000	188,849,000
1952 .....	184,090,500	191,701,000

1. From all industries.

TABLE 40. Employees and Their Earnings in Absorption Gasoline Plants, 1952

Supervisory and office employees:		
Male.....	No.	22
Female.....	No.	—
<b>Total.....</b>	<b>No.</b>	<b>22</b>
Production workers:		
Male.....	No.	77
Female.....	No.	—
<b>Total.....</b>	<b>No.</b>	<b>77</b>
<b>Total employees.....</b>	<b>No.</b>	<b>99</b>
Salaries.....	\$	68,684
Wages.....	\$	288,603
<b>Total salaries and wages.....</b>	<b>\$</b>	<b>357,287</b>

## Directory of Operating Petroleum Refineries, 1952

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..	45,000	S-C	Thermal and Catalytic	21,000
Imperial Oil Limited.....	Montreal East..	46,000	S-C	Thermal and Catalytic	18,300
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.....	1			
Canadian Oil Companies Limited.....	Corunna.....	20,000	C	Catalytic.....	8,300
Imperial Oil Limited.....	Sarnia.....	57,000	S-C	Thermal and Catalytic	23,000
British American Oil Co. Limited.....	Clarkson.....	17,000	S-C	Thermal.....	4,500
Trinidad Leaseholds (Canada) Limited.....	Port Credit.....	6,800	S-C	Thermal.....	4,100
<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.....	15,000	S-C	Thermal and Catalytic	6,000
Consumers' Co-operative Refineries Limited	Regina.....	6,500	S-C	Thermal.....	2,450
Hi-Way Refineries Limited.....	Saskatoon.....	5,100	S-C	Thermal.....	1,650
Imperial Oil Limited.....	Regina.....	17,000	S-C	Thermal.....	9,700
Moose Jaw Refineries Ltd.....	Moose Jaw.....	2,000	S	—	—
Northern Petroleum Corporation Ltd.....	Kamsack.....	800	S	—	—
Prince Albert Refineries Ltd.....	Prince Albert..	1,000	S	—	—
<b>Alberta:</b>					
British American Oil Co. Limited.....	Edmonton.....	7,000	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 and Catalytic	19,100
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	—	—
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.....	9,500	S-C	Thermal.....	3,000
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.

1. Operations discontinued in the spring of 1952.

Directory of Plants Engaged in the Compounding of Lubricating Oils and Greases, 1952

Name of company	Location of plant
<b>Quebec:</b>	
Canadian Oil Companies Ltd. ....	6010 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
Wynn Oil Co. of Canada Ltd. ....	St-Janvier
<b>Ontario:</b>	
Campbell Lubricating Specialties, Ltd. ....	414 Eastern Ave., Toronto
Canadian Oil Companies, Limited ....	Petrolia
Hollingshead, R.M., Co. of Canada, Ltd. ....	Bowmanville
The Kearns Co. of Canada ....	226 Weston Road, Toronto
McColl-Frontenac Oil Co. Ltd. ....	Toronto
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>Saskatchewan:</b>	
Western Oil Company Limited, The ....	860 Fairford St. W., Moose Jaw
<b>British Columbia:</b>	
Bardahl Lubricants (Western) Ltd. ....	5405 West Boulevard, Vancouver
Spotoil Company ....	205 W. First Ave., Vancouver

List of Absorption Gasoline Plants, 1952

Name of company	Location of plant
British American Oil Company, Limited ....	Turner Valley, Alberta
Gas & Oil Refineries, Limited ....	Hartell, Alberta
Imperial Oil Limited ....	Devon, Alberta
Royalite Oil Company, Limited ....	Turner Valley, Alberta
Shell Oil Company of Canada, Limited ....	Jumping Pound, Alberta

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