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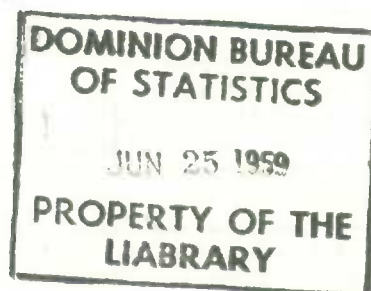
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ANNUAL



# THE PETROLEUM PRODUCTS INDUSTRY

## 1957



*Published by Authority of*  
The Honourable Gordon Churchill, Minister of Trade and Commerce

**DOMINION BUREAU OF STATISTICS**  
Industry and Merchandising Division

June, 1959  
6523-562

Price 50 cents

Vol. 2—Part XVII—C-1

## 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 or provinces 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
- II – The Manufacturing Industries of Canada, (7 sections, as follows:)
  - Section A. Summary for Canada
  - Section B. Atlantic Provinces
  - Section C. Quebec
  - Section D. Ontario
  - Section E. Prairie Provinces
  - Section F. British Columbia
  - Section G. The Manufacturing Industries of Canada, Regional Distribution
- III – Foods and Beverages
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- VII – Textile Mills
- VIII – Knitting Mills
- IX – Clothing
- X – Wood and Paper Products
- XI – Printing Trades
- XII – Iron and Steel Products
- XIII – Transportation Equipment
- XIV – Non-ferrous Metal Products
- XV – Electrical Apparatus and Supplies
- XVI – Non-metallic Mineral Products
- XVII – Products of Petroleum and Coal
- XVIII – Chemicals and Allied Products
- XIX – Miscellaneous Manufactures

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

- A – General Review
- B – The Coke and Gas Industry
- C – The Petroleum Products Industry
- D – The Miscellaneous Products of the Petroleum and Coal Industry

*Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.*

# THE PETROLEUM PRODUCTS INDUSTRY

1957

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. (b) the blending of compounding of lubricating oils and greases and (c) the operation of absorption gasoline plants for the recovery of the naphtha content of natural gas.

Forty-one refineries, 13 blending plants and 10 absorption gasoline plants, or a total of 64 works reported in this category in 1957 and the aggregate value of production was \$1,376,558,762, an increase of 9.7 per cent over the 1956 total of \$1,253,798,979. It should be noted that the figures for 1954 and subsequent years are not exactly com-

parable with those for previous years due to a change in procedure used in reporting value of products by the petroleum refining industry—see footnote to table 7.

Output figures for 1957 included \$1,348,437,014 for petroleum refineries, \$16,777,283 for concerns engaged in blending oils and greases and \$11,344,465 for absorption plants, against corresponding totals in 1956 of \$1,228,623,432, \$16,767,832 and \$8,407,715 respectively. The principal statistics for each of these groups and for the industry as a whole are tabulated in tables 1 to 5 and the detailed figures for each division are recorded separately in the succeeding pages of this report.

## (a) The Petroleum Refining Industry, 1957

The 41 petroleum refineries which operated in Canada in 1957 were distributed by provinces as follows: 5 in Quebec, 6 in Ontario, 3 in Manitoba, 9 in Saskatchewan, 10 in Alberta, 5 in British Columbia and 1 each in Nova Scotia, New Brunswick and the Northwest Territories. The refineries which were active at the end of the year had a capacity of 766,500 barrels of crude oil per day, of which Quebec had 255,800 barrels or 33.3 per cent; Ontario, 201,350 barrels or 26.3 per cent; Alberta, 33,200 barrels or 11.0 per cent; Saskatchewan, 69,600 barrels or 9.1 per cent; British Columbia, 76,000 barrels or 10.0 per cent; Nova Scotia, 44,500 barrels or 5.8 per cent; the Northwest Territories, 1,300 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 3,879,293,938 gallons of imported crude oil and 4,480,601,496 gallons of crude oil and absorption gasoline from Canadian wells, or a total of 8,359,895,434 gallons, was put through Canadian refineries, this amounting to about 92.6 per cent of rated capacity. Of the total crude input about 3.8 per cent was imported from the United States and 43.5 per cent from other countries while about 52.7 per cent came from Canadian wells. The total cost at refineries of all crude oil and naphtha charged to still during the year was \$748,278,808. Stocks of crude oil held at the refineries on December 31st amounted to 265,671,192 gallons.

Refinery production of gasoline amounted to 3,040,945,846 gallons and, in addition, the refineries used for blending about 933,730 gallons of imported casinghead gasoline which is not included

in the Canadian production figures. The gallonage made in 1957 was 0.3 per cent over 1956 which in turn was 11.9 per cent over 1955. The refinery selling value of the gasoline made during the year was \$607,199,587. Stocks of gasoline held by the refineries on December 31st, included 373,773,552 gallons of motor and aviation gasoline and 60,255 gallons of imported casinghead gasoline.

Imports of gasoline, including casinghead, amounted to 208,654,400 gallons during 1957 while exports, including re-exports totalled 44,952,090 gallons. Sales, as reported to the Bureau, amounted to 3,349,209,000 gallons, this figure being compiled from returns to provincial governments in connection with tax payments.

Production of fuel and gas oils (excluding any made and used for cracking purposes) totalled 4,446,197,850 gallons, of which 4,194,511,993 gallons were made for sale and 240,605,355 gallons for use as fuel in the producing plants. Imports amounted to 801,764,866 gallons and exports, including re-exports, totalled 77,497,017 gallons. Producers' stocks of all fuel oils increased by 24,773,678 gallons to 569,140,618 gallons at the end of the year. Consumption of fuel oil and distillate in Canada, excluding consumption under refinery boilers, as reported by distributors and refiners, amounted to 4,633,775,615 gallons in 1957.

Employment in the refining industry totalled 13,768 people who received \$71,345,568 in salaries and wages. Expenditures for fuel and electricity amounted to \$51,827,693 and \$811,435,682 were paid out for crude oil and other processing materials.

**(b) Manufacture of Lubricating Oils and Greases, (other than in refineries), 1957**

Thirteen factories were occupied chiefly in compounding lubricating oils and greases in Canada during 1957. 6 of these plants were located in Ontario, 3 in Quebec, 1 in Manitoba, 1 in Saskatchewan and 2 in Alberta. They gave work to a total of 270 people who were paid \$1,132,624 in salaries and wages. Purchases of processing materials and containers cost \$10,788,444. In-

cluded in the year's output were lubricating oils at \$14,535,105 and lubricating greases at \$2,235,672. Total Canadian output of lubricating oils and grease, including production from the refineries, amounted to 93,656,129 gallons in 1957. Sales of lubricating oils, as reported by principal dealers, amounted to 95,839,065 gallons while sales of lubricating greases totalled 10,548,685 gallons.

**(c) Absorption Gasoline Plants, 1957**

Ten plants, all in Alberta, operated in this group in 1957. Value of shipments amounted to \$11,344,465. Output included 40,988,937 M. cubic feet of dry gas valued at \$3,454,401; 32,817,775 gallons of natural gasoline at \$2,616,028; 48,579,295 gallons of liquefied petroleum gases at \$2,220,297 and 93,369 tons of sulphur at \$2,061,435. Employees numbered 270 persons who received \$1,408,882 in salaries and wages. Expenditures for fuel and electricity amounted to \$424,412 and raw gas and other materials used in processing cost \$5,246,689.

Absorption plants are designed to recover the naphtha content of natural gas. In addition, large quantities of propane, butane and dry gas are recovered. These plants were not treated as a separate group prior to 1952 and, accordingly, data for earlier years are not available.

**Note:** Figures for value added by manufacture, shown in table 1, prior to 1952 were obtained by sub-

tracting the cost of materials used, including fuel and electricity, from the value of production. In 1952 the gross value of production was replaced by value of factory shipments, f.o.b. plant for the lubricating Oils and Greases and the Absorption Gasoline Plants portion of this group. The Refineries, however, continued to report value of production. As no inventory change is available for 1952 and 1953, value added figures for these years were obtained by subtracting from the value of shipments (Production in the case of the Refineries) the cost of materials, fuel and electricity. In 1954 and 1955 information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and information thus made available was taken into account in calculating the value added for 1954 and 1955 for the lubricating Oils and Greases and the Absorption Gasoline Plants portion of the group. For these two years, the adjustments that were made used only the change in finished product inventory owned by manufacturers. Beginning with 1956 the calculation of the "Value added" figure was further adjusted to take into account the "Goods in process" as well as the finished goods held at plant or plant warehouse. The "Value added" figures for the Petroleum refineries, however, continued to be calculated on the same basis as was used prior to 1952.

**TABLE 1. Principal Statistics of the Petroleum Products Industry, Significant Years 1929 - 1957 and by Provinces, 1956 and 1957**

Year and province	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture <sup>1</sup>	Gross selling value of products <sup>1</sup>
	number		dollars				
1929 .....	25	4,978	8,153,625	3,754,655	76,861,939	18,791,720	99,408,314
1933 .....	47	4,628	6,141,945	3,137,719	49,187,757	17,942,789	70,268,265
1937 .....	57	5,137	8,246,843	4,450,005	80,401,880	13,602,129	98,454,014
1939 .....	53	4,766	7,890,247	4,578,699	74,465,600	25,534,218	104,578,517
1944 .....	48	6,809	14,317,939	9,002,567	153,558,664	47,986,185	210,547,416
1946 .....	43	7,145	14,849,141	10,159,025	155,818,744	57,447,611	223,425,380
1949 .....	47	9,413	26,142,276	16,852,060	336,973,056	82,971,097	436,796,213
1953 .....	55	11,858	48,574,772	28,171,294	507,214,040	159,603,271	694,988,605
1954 .....	61	12,476	52,316,208	31,215,380	568,541,677	309,795,241	909,252,514
1955 .....	61	13,340	57,892,387	32,593,790	642,872,134	373,368,531	1,048,834,455
<b>1956</b>							
Quebec .....	8	2,803	13,632,244	15,523,181	272,981,751	150,408,254	438,753,511
Ontario .....	13	5,480	26,206,838	12,567,648	214,388,049	130,759,078	357,663,026
Manitoba .....	5	512	2,544,659	1,885,041	32,193,237	19,805,919	53,941,998
Saskatchewan .....	10	1,218	5,330,747	3,346,435	54,342,324	28,408,987	86,090,448
Alberta .....	17	2,041	9,280,495	3,981,838	76,445,714	51,877,453	132,334,611
British Columbia .....	5	1,307	6,507,873	3,344,487	72,415,680	47,475,305	123,235,472
Nova Scotia .....	1	564	2,838,782	2,478,594	43,608,502	15,692,817	61,779,913
New Brunswick .....	1						
Northwest Territories ..	1						
<b>Canada .....</b>	<b>61</b>	<b>13,925</b>	<b>66,341,638</b>	<b>43,127,224</b>	<b>766,375,257</b>	<b>444,427,813</b>	<b>1,253,798,979</b>
<b>1957</b>							
Quebec .....	8	2,852	15,693,245	19,599,654	300,825,529	180,727,670	500,924,115
Ontario .....	12	5,420	28,817,229	15,234,872	228,734,481	121,201,904	365,328,298
Manitoba .....	4	656	2,731,140	2,207,864	31,462,751	21,336,149	54,990,334
Saskatchewan .....	10	1,239	6,002,267	3,436,155	57,499,210	28,645,294	89,580,404
Alberta .....	22	2,213	10,926,532	4,256,667	83,460,019	60,007,217	147,472,583
British Columbia .....	5	1,384	6,745,008	3,615,512	76,996,178	55,754,357	136,366,047
Nova Scotia .....	1	544	2,971,653	4,047,700	48,492,647	29,356,634	81,896,981
New Brunswick .....	1						
Northwest Territories ..	1						
<b>Canada .....</b>	<b>64</b>	<b>14,308</b>	<b>73,887,074</b>	<b>52,398,424</b>	<b>827,470,815</b>	<b>497,029,225</b>	<b>1,376,558,762</b>

<sup>1</sup> See footnotes to text and Table 7.

**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, advertising, etc.

**TABLE 2. Principal Statistics of the Petroleum Products Industry, by Sub-groups, 1956 and 1957**

Group	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity at works	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Gross selling value of products at works <sup>1</sup>
	number		dollars				
<b>1956</b>							
Petroleum refining .....	41	13,489	64,519,793	42,695,192	752,575,866	433,352,374	1,228,623,432
Lubricating oils and greases .....	13	295	1,131,515	132,692	10,470,114	6,325,947	16,767,832
Absorption gasoline .....	7	141	690,330	299,340	3,329,277	4,749,492	8,407,715
<b>Total .....</b>	<b>61</b>	<b>13,925</b>	<b>66,341,638</b>	<b>43,127,224</b>	<b>766,375,257</b>	<b>444,427,813</b>	<b>1,253,798,979</b>
<b>1957</b>							
Petroleum refining .....	41	13,768	71,345,568	51,827,693	811,435,682	485,173,639	1,348,437,014
Lubricating oils and greases .....	13	270	1,132,624	146,319	10,788,444	5,965,057	16,777,283
Absorption gasoline .....	10	270	1,408,882	424,412	5,246,689	5,890,529	11,344,465
<b>Total .....</b>	<b>64</b>	<b>14,308</b>	<b>73,887,074</b>	<b>52,398,424</b>	<b>827,470,815</b>	<b>497,029,225</b>	<b>1,376,558,762</b>

<sup>1</sup> See footnotes to text.

TABLE 3. Inventories,<sup>1</sup> 1957

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
dollars				
(a) By sub-groups				
Opening:				
Petroleum refining .....	39,257,113	17,601,844	113,865,999	170,724,956
Lubricating oils and greases .....	1,660,226	307,893	646,161	2,614,280
Absorption gasoline .....	4,780	—	63,057	67,837
<b>Total .....</b>	<b>40,922,119</b>	<b>17,909,737</b>	<b>114,575,217</b>	<b>173,407,073</b>
Closing:				
Petroleum refining .....	40,544,158	1,741,552	116,263,209	174,748,919
Lubricating oils and greases .....	2,146,891	558,553	518,038	3,223,482
Absorption gasoline .....	3,240	—	280,222	283,462
<b>Total .....</b>	<b>42,694,289</b>	<b>18,500,105</b>	<b>117,061,469</b>	<b>178,255,863</b>
(b) By provinces				
Opening:				
Quebec .....	13,588,117	3,138,798	37,034,209	53,761,124
Ontario .....	18,483,797	9,181,906	35,812,606	63,478,309
Manitoba .....	1,054,679	195,339	6,096,921	7,346,939
Saskatchewan .....	1,842,366	616,415	10,295,180	12,753,961
Alberta .....	2,027,693	1,576,686	11,786,404	15,390,783
British Columbia .....	2,989,228	1,316,080	7,821,303	12,126,611
Other provinces .....	936,239	1,884,513	5,728,594	8,549,346
<b>Canada .....</b>	<b>40,922,119</b>	<b>17,909,737</b>	<b>114,575,217</b>	<b>173,407,073</b>
Closing:				
Quebec .....	14,118,075	3,612,609	39,971,824	57,702,508
Ontario .....	16,373,032	9,132,741	32,002,901	57,508,674
Manitoba .....	850,362	196,153	6,182,925	7,229,440
Saskatchewan .....	2,148,251	738,643	11,779,922	14,666,816
Alberta .....	1,854,321	2,373,818	12,929,180	17,157,319
British Columbia .....	5,447,400	1,485,406	7,636,082	14,568,888
Other provinces .....	1,902,848	960,735	6,558,635	9,422,218
<b>Canada .....</b>	<b>42,694,289</b>	<b>18,500,105</b>	<b>117,061,469</b>	<b>178,255,863</b>

<sup>1</sup> (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Petroleum Products Industry for the year under review are shown in the above table.

(c) The opening inventory for the current year may not necessarily agree with the closing inventory published the previous year because of changes in the composition of the industry such as; the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes. The figure for value added by manufacture for the previous year does not need to be altered because of such changes in the composition of the industry.

TABLE 4. Principal Statistics of the Petroleum Products Industry, Classified According to Type of Ownership, 1956 and 1957

Type	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Gross selling value of products
1956						
Individual ownership .....	2	13,925	66,341,638	43,127,224	766,375,257	1,253,798,979
Co-operatives .....	1					
Incorporated companies .....	58					
<b>Total .....</b>	<b>61</b>	<b>13,925</b>	<b>66,341,638</b>	<b>43,127,224</b>	<b>766,375,257</b>	<b>1,253,798,979</b>
1957						
Individual ownership .....	2	14,308	73,887,074	52,398,424	827,470,815	1,376,558,762
Co-operatives .....	1					
Incorporated companies .....	61					
<b>Total .....</b>	<b>64</b>	<b>14,308</b>	<b>73,887,074</b>	<b>52,398,424</b>	<b>827,470,815</b>	<b>1,376,558,762</b>

**TABLE 5. Principal Statistics of the Petroleum Products Industry, Grouped According to Selling Value of Products, 1956 and 1957**

Establishments reporting a value of products	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity	Cost at plant of materials used	Gross selling value of products
	number				dollars	
1956						
Under \$10,000 .....	1	13	29,715	5,533	43,976	94,432
\$10,000 to \$24,999 .....	3					
\$25,000 " \$49,999 .....	1					
\$50,000 " \$99,999 .....	3	26	138,544	10,405	229,721	320,900
\$100,000 " \$199,999 .....	1					
\$200,000 " \$499,999 .....	3					
\$500,000 " \$999,999 .....	5	73	266,697	70,654	2,243,916	3,284,464
\$1,000,000 " \$4,999,999 .....	15	797	3,295,917	1,423,531	23,476,263	36,919,165
\$5,000,000 and over .....	29	10,523	48,812,374	41,595,400	740,037,169	1,212,508,293
Head offices .....	—	2,465	13,709,950	—	—	—
<b>Total .....</b>	<b>61</b>	<b>13,925</b>	<b>66,341,638</b>	<b>43,127,224</b>	<b>766,375,257</b>	<b>1,253,798,979</b>
1957						
\$10,000 to \$24,999 .....	3	7	15,915	886	19,957	55,581
\$50,000 " \$99,999 .....	3	11	34,305	4,948	83,577	162,441
\$100,000 " \$199,999 .....	3	21	76,714	5,063	283,956	465,286
\$200,000 " \$499,999 .....	5	93	498,287	136,717	642,297	1,816,233
\$500,000 " \$999,999 .....	3	39	136,019	14,573	1,550,088	1,830,482
\$1,000,000 " \$4,999,999 .....	18	970	4,162,019	1,624,118	26,963,761	43,517,024
\$5,000,000 and over .....	29	10,469	54,020,866	50,612,119	797,927,179	1,328,711,715
Head offices .....	—	2,698	14,942,949	—	—	—
<b>Total .....</b>	<b>64</b>	<b>14,308</b>	<b>73,887,074</b>	<b>52,398,424</b>	<b>827,470,815</b>	<b>1,376,558,762</b>

**TABLE 6. Number and Total Capacity of Petroleum Refineries in Operation December 31, 1954 - 1957**

Province	1954		1955		1956		1957	
	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	18,000	1	18,000	1	42,000	1	44,500
New Brunswick .....	1	300	1	300	1	300	1	300
Quebec .....	4	180,000	5	220,000	5	252,000	5	255,800
Ontario .....	6	146,000	6	148,850	6	163,950	6	201,350
Manitoba .....	4	20,500	3	28,000	3	30,200	3	33,200
Saskatchewan .....	9	66,000	9	66,800	9	62,000	9	69,600
Alberta .....	10	72,900	10	77,900	10	83,600	10	84,450
British Columbia .....	4	56,500	4	64,000	5	71,000	5	76,000
Northwest Territories .....	1	1,250	1	1,250	1	1,300	1	1,300
<b>Canada .....</b>	<b>40</b>	<b>561,450</b>	<b>40</b>	<b>625,100</b>	<b>41</b>	<b>706,350</b>	<b>41</b>	<b>766,500</b>

Note: 1 Barrel = 35 Imperial gallons.

TABLE 7. Principal Statistics of the Petroleum Refining Industry, 1953-1957

Year	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture <sup>1</sup>	Gross selling value of products <sup>1</sup>
	number		dollars				
1953 .....	37	11,476	47,211,679	27,997,811	498,075,546	153,887,575	679,960,932
1954 .....	40	12,048	50,796,930	30,973,211	558,856,312	301,167,494	890,997,017
1955 .....	40	12,881	56,031,965	32,313,988	630,316,952	363,708,930	1,026,339,870
1956 .....	41	13,489	64,519,793	42,695,192	752,575,866	433,352,374	1,228,623,432
1957 .....	41	13,768	71,345,568	51,827,693	811,435,682	485,173,639	1,348,437,014

<sup>1</sup> The apparent advance shown in gross selling value of products at works in 1954 over 1953 by the Petroleum Refining Industry was due, in part, to an actual gain in physical volume of output but the major factor contributing to this increase was a change in accounting procedure used by some firms in calculating the value of products made. Prior to 1954 several different methods were used in arriving at a selling value of products at works; however, in 1954 all firms reported on a uniform basis, namely, "tank wagon prices, f.o.b. refinery" for all products except heavy fuel oil for which pipeline price was used. The net result of this change in reporting procedure was to exaggerate the gain in gross selling value of products in 1954 over 1953 beyond that which would have been normal had the old basis been in effect. It is estimated that the 1954 gross selling value at works for this industry, using the old basis, would have been about \$752 millions instead of the \$891 millions indicated above. On the other hand, the 1953 total, using the new basis, would have been \$807 millions instead of \$680 millions actually reported. Naturally, these changes have affected the figure for "value added by manufacture". The latter varies directly with the gross selling value of products; accordingly, any change in method for deriving the gross value of products is directly reflected in the "value added by manufacture", as indicated in the above table.

TABLE 8. Principal Statistics of the Petroleum Refining Industry by Provinces, 1956 and 1957

Province	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost of materials at plant	Value added by manufacture	Gross selling value of products
	number		dollars				
1956							
Quebec .....	5	2,718	13,338,834	15,481,952	269,199,664	148,214,319	432,895,935
Ontario .....	6	5,299	25,433,471	12,488,169	208,544,028	127,290,515	348,322,712
Manitoba .....	3	490	2,459,921	1,876,945	31,458,833	19,162,953	52,498,731
Saskatchewan .....	9	1,211	5,300,747	3,342,547	54,232,722	28,388,504	85,963,773
Alberta .....	10	1,900	8,590,165	3,682,498	73,116,437	47,127,961	123,926,896
British Columbia .....	5	1,307	6,507,873	3,344,487	72,415,680	47,475,305	123,235,472
Other provinces <sup>1</sup> .....	3	564	2,838,782	2,478,594	43,608,502	15,692,817	61,779,913
Canada .....	41	13,489	64,519,793	42,695,192	752,575,866	433,352,374	1,228,623,432
1957							
Quebec .....	5	2,787	15,435,270	19,558,539	297,365,190	178,361,969	495,285,698
Ontario .....	6	5,245	28,057,037	15,139,674	222,788,441	118,295,663	356,223,778
Manitoba .....	3	650	2,714,618	2,203,819	31,253,292	21,271,923	54,729,034
Saskatchewan .....	9	1,232	5,973,920	3,433,142	57,372,156	28,618,246	89,423,544
Alberta .....	10	1,926	9,448,062	3,829,307	77,167,778	53,514,847	134,511,932
British Columbia .....	5	1,384	6,745,008	3,615,512	76,996,178	55,754,357	136,366,047
Other provinces <sup>2</sup> .....	3	544	2,971,653	4,047,700	48,492,647	29,356,634	81,896,981
Canada .....	41	13,768	71,345,568	51,827,693	811,435,682	485,173,639	1,348,437,014

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



TABLE 9. Products Made in Petroleum Refineries, 1956 and 1957

Product	1956		1957		
	Quantity	Gross selling value at works	Quantity	Gross selling value at works	
		\$		\$	
<b>Made for sale:</b>					
Gasoline (excluding imported casing head-blended):					
Aviation gasoline..... Imp. gal.	26,558,577	9,820,595	20,763,536	7,878,188	
Motor gasoline .....	3,003,538,314	548,717,479	3,019,372,454	599,141,360	
Naphtha specialties..... "	24,173,777	5,097,975	32,126,591	7,421,624	
Aviation turbine fuel .....	140,455,606	22,052,192	167,652,344	28,589,068	
Kerosene, stove oil (No. 1 fuel oil) and tractor fuel .....	404,779,451	66,624,527	366,263,669	66,498,683	
Diesel fuel .....	738,560,708	106,582,678	907,660,555	135,089,167	
Light fuel oils (Nos. 2 and 3) .....	1,347,892,813	195,624,740	1,349,450,928	205,056,269	
Heavy fuel oils (Nos. 4, 5 and 6) .....	1,474,752,924	126,282,629	1,403,484,497	129,577,876	
Lubricating oil and grease .....	74,045,604	50,667,028	74,090,938	53,585,973	
Asphalt .....	295,449,145	35,774,769	286,855,088	37,875,921	
Petroleum coke..... ton	155,997	1,887,778	155,161	2,020,451	
Petrochemical feed stocks .....	1	1	67,552,544	6,642,608	
Liquefied petroleum gases .....	85,924,616	9,452,130	99,187,027	11,688,110	
Other products <sup>2</sup> ..... -	-	10,983,021	-	10,495,234	
<b>Total - made for sale</b> .....	-	<b>1,189,567,541</b>	-	<b>1,301,560,532</b>	
<b>Made for own use:</b>					
Gasoline .....	Imp. gal.	1,104,861	220,417	809,856	180,039
Naphtha specialties..... "		114,204	24,725	96,564	22,971
Kerosene, stove oil (No. 1 fuel oil) and tractor fuel .....	"	37,154	6,562	26,665	5,257
Diesel fuel .....	"	398,665	65,315	512,947	86,559
Light fuel oils (Nos. 2 and 3) .....	"	431,602	54,941	668,865	88,068
Heavy fuel oils (Nos. 4, 5 and 6) .....	"	239,737,934	19,336,959	250,477,380	21,854,287
Lubricating oil and grease .....	"	77,503	59,476	122,728	101,166
Asphalt .....	"	307,177	33,480	266,377	34,421
Petroleum coke..... ton		114,908	1,211,899	118,135	1,647,867
Still gas..... M cu. ft.		27,385,474	14,413,202	35,331,356	19,555,876
Other products .....	-	-	3,628,915	-	3,299,971
<b>Total - made for own use</b> .....	-	-	<b>39,055,891</b>	-	<b>46,876,482</b>
<b>Grand total</b> .....	-	-	<b>1,228,623,432</b>	-	<b>1,348,437,014</b>

<sup>1</sup> Not available.<sup>2</sup> 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 10. Materials Used in Petroleum Refineries, 1956 and 1957

Material	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Crude oil in its natural state, from Canadian wells.....	Imp. gal. 4,371,903,341	370,037,273	4,455,641,616	392,415,046
Absorption gasoline, etc., from Canadian wells (run to stills) .....	" 23,290,371	2,077,107	24,959,880	2,079,452
Crude oil, in its natural state, imported, (run to stills):				
From United States.....	" 221,878,895	22,116,014	288,766,902	28,472,722
From South America.....	" 2,759,477,933	240,552,772	3,099,888,003	283,692,667
From other countries .....	" 719,482,190	56,917,694	490,639,033	41,618,921
Crude oil, not in its natural state (run to stills) .....	" -	-	-	-
Blending stocks for gasoline:				
Benzol .....	" -	-	2,467,710	1,096,750
Alkylate and cumene .....	" 48,785,941	9,059,647	5,403,367	1,381,541
Phenol .....	lb. 1,131,984	191,406	656,874	111,338
Sulphuric acid, 100% .....	" 22,060,346	388,100	22,279,360	381,916
Ammonia, anhydrous.....	" 488,886	82,879	540,860	99,486
Sulphur .....	" 450,748	17,233	449,787	20,029
Caustic soda .....	" 19,340,677	752,400	19,168,129	731,017
Soda ash.....	" 1,512,851	50,684	1,632,670	58,188
Litharge .....	" 241,291	44,971	310,349	47,507
Fuller's earth, bentonite and other clays	ton 6,495	544,276	3,724	324,481
Tetraethyl fluid.....	cc. 7,731,598,819	13,774,095	8,409,576,540	14,871,295
Dyes for gasoline .....	-	86,111	-	97,090
Inhibitor .....	-	453,529	-	588,029
Fluid catalytic cracking unit catalysts (Aerocat, Nalcat, Filtrol 100, FCCU catalyst, etc.) .....	-	1	-	4,944,678
Reforming or polymerization catalysts .....	-	1	-	1,654,101
Additives .....	-	1	-	4,914,318
Other materials .....	-	28,667,355	-	22,016,012
Shipping containers .....	-	6,762,320	-	9,819,098
<b>Total.....</b>	-	<b>752,575,866</b>	-	<b>811,435,682</b>

<sup>1</sup> Not available separately.

TABLE 11. Employees and their Earnings in Petroleum Refineries, 1956 and 1957

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
<b>1956</b>								
Quebec.....	688	100	1,922	8	2,718	4,404,787	8,984,047	13,388,834
Ontario.....	2,018	762	2,485	34	5,299	14,863,646	10,569,825	25,433,471
Manitoba.....	163	49	278	-	490	1,132,472	1,327,449	2,459,921
Saskatchewan.....	303	76	831	1	1,211	1,755,648	3,545,099	5,300,747
Alberta.....	550	146	1,200	4	1,900	3,630,124	4,960,041	8,590,165
British Columbia.....	423	91	793	-	1,307	2,860,030	3,647,843	6,507,873
Other Provinces.....	104	24	423	13	564	798,408	2,040,374	2,838,782
<b>Canada.....</b>	<b>4,249</b>	<b>1,248</b>	<b>7,932</b>	<b>60</b>	<b>13,489</b>	<b>29,445,115</b>	<b>35,074,678</b>	<b>64,519,793</b>
<b>1957</b>								
Quebec.....	747	114	1,918	8	2,787	5,062,281	10,372,989	15,435,270
Ontario.....	2,075	773	2,366	31	5,245	16,215,229	11,841,808	28,057,037
Manitoba.....	159	150	338	3	650	1,400,481	1,314,137	2,714,618
Saskatchewan.....	312	71	848	1	1,232	2,045,744	3,928,176	5,973,920
Alberta.....	517	150	1,249	10	1,926	3,741,970	5,706,092	9,448,062
British Columbia.....	460	103	821	-	1,384	3,009,122	3,735,886	6,745,008
Other Provinces.....	104	24	403	13	544	828,808	2,142,845	2,971,653
<b>Canada.....</b>	<b>4,374</b>	<b>1,385</b>	<b>7,943</b>	<b>66</b>	<b>13,768</b>	<b>32,303,635</b>	<b>39,041,933</b>	<b>71,345,568</b>

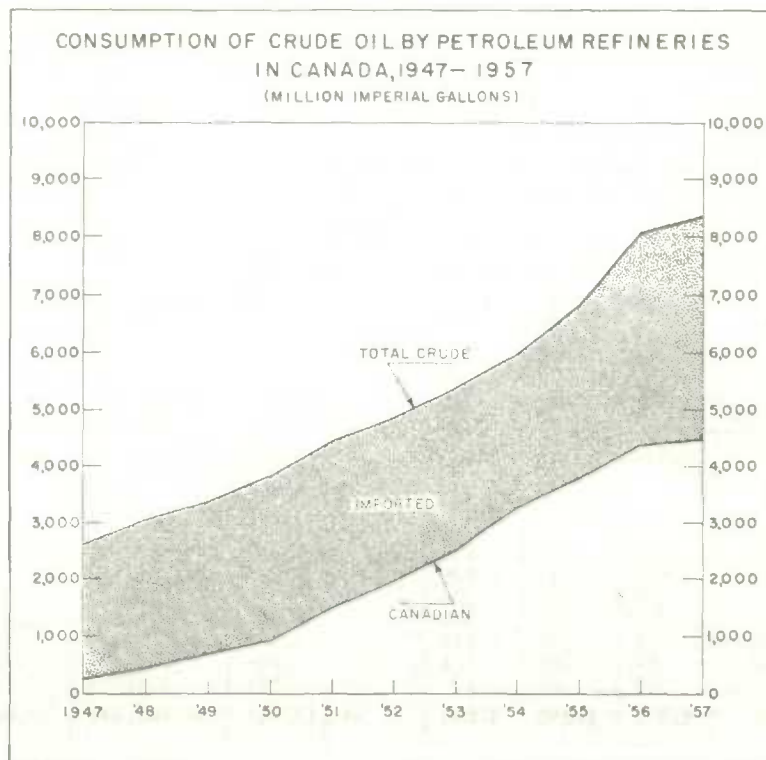
**TABLE 12. Production Workers in Petroleum Refineries, by Months, 1956 and 1957**

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
January.....	7,713	59	7,772	7,720	64	7,784
February.....	7,687	60	7,747	7,747	67	7,814
March.....	7,706	59	7,765	7,842	65	7,907
April.....	7,876	60	7,936	7,863	65	7,928
May.....	8,099	62	8,161	8,195	66	8,261
June.....	8,244	64	8,308	8,290	67	8,357
July.....	8,291	64	8,355	8,337	71	8,408
August.....	8,207	62	8,269	8,256	68	8,314
September.....	7,945	62	8,007	7,887	68	7,955
October.....	7,857	61	7,918	7,735	65	7,800
November.....	7,829	60	7,889	7,671	65	7,736
December.....	7,743	58	7,801	7,710	62	7,772
<b>Average.....</b>	<b>7,932</b>	<b>60</b>	<b>7,992</b>	<b>7,943</b>	<b>66</b>	<b>8,009</b>

**TABLE 13. Capital and Repair Expenditures in the Petroleum Refining and Lubricating Oils Industry, 1953-1957**

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1953.....	56,950	9,267	66,217	10,529	8,186	18,715	84,932
1954.....	75,418	8,452	83,870	14,722	7,962	22,684	106,554
1955.....	97,999	4,863	102,862	18,306	4,173	22,479	125,341
1956.....	74,680	4,389	79,069	20,871	4,232	25,103	104,172
1957.....	77,385	3,455	80,840	19,427	3,462	22,889	103,729

Note: Figures for the current year are preliminary.



**TABLE 14. Consumption of Crude Oil in Petroleum Refineries, Showing Canadian and Imported Separately, 1948 - 1957**

Year	Canadian <sup>1</sup>	Imported <sup>2</sup>	Total
		Imperial gallons	
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
1953.....	2,507,927,775	2,896,594,489	5,404,522,264
1954.....	3,263,312,419	2,722,901,936	5,986,214,355
1955.....	3,791,771,419	3,035,196,281	6,826,967,700
1956.....	4,395,193,712	3,700,839,018	8,096,032,730
1957.....	4,480,601,496	3,879,293,938	8,359,895,434

<sup>1</sup> Includes the crude naphtha and absorption gasoline from the Turner Valley field, which was run to refinery stills.<sup>2</sup> Includes reduced crude.**TABLE 15. Casinghead Gasoline Imported and Used for Blending at the Refineries, 1957**  
(These items not included in previous tables)

Imported natural casinghead gasoline received at the refinery during the year .....	Imp. gal.	936,950
	\$	98,465
Imported natural casinghead gasoline used for blending during year .....	Imp. gal.	933,730
Total stocks of imported natural casinghead gasoline at the end of the year.....	"	60,255

**TABLE 16. Stocks on Hand at the Refineries at the End of 1957**

	Stocks on hand at refineries on December 31, 1957	Increase or decrease compared with December 31, 1956
	Imperial gallons	
Crude oil and naphtha, in its natural state, from Canadian wells .....	141,797,560	-38,735,280
Absorption gasoline, etc., from Canadian wells .....	157,504	- 320,221
Crude oil, imported:		
In its natural state .....	123,013,188	+ 8,696,592
Not in its natural state.....	702,940	+ 455,233
<b>Total crude.....</b>	<b>265,671,192</b>	<b>-29,903,676</b>
Naphtha specialties .....	6,251,401	- 306,706
Aviation gasoline .....	19,373,558	+ 4,155,510
Motor gasoline .....	354,399,994	-59,317,587
Aviation turbine fuel.....	18,468,862	+ 6,197,771
Kerosene, stove oil (No. 1 fuel oil) and tractor fuel.....	47,724,679	-37,730,970
Diesel fuel .....	120,762,665	+39,541,153
Light fuel oils (Nos. 2 and 3) .....	226,126,749	-27,097,297
Heavy fuel oils (Nos. 4,5 and 6) .....	156,057,663	+ 8,622,183
Lubricating oils and greases.....	21,320,442	- 1,409,407
Liquefied petroleum gases (propane, butane, etc.) .....	8,130,713	<sup>1</sup>
Petroleum coke .....	3,312	- 842

<sup>1</sup> Not available in 1956**TABLE 17. Fuel and Electricity Used in the Petroleum Refining Industry, 1956 and 1957**

Kind	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Coke .....	ton	138,340	143,513	1,917,943
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	1,121,200	823,277	174,716
Kerosene .....	"	24,917	7,846	1,397
Fuel oil .....	"	240,135,316	17,506,228	20,738,665
Gas (a) Liquefied petroleum gases .....	"	7,316,791	650,147	4,659,315
(b) Other manufactured gas .....	M cu. ft.	27,009,296	14,355,896	35,331,356
(c) Natural gas .....	"	10,126,484	1,467,297	9,932,075
Other fuel .....	-	-	2,029,192	-
Electricity purchased .....	kwh.	726,769,137	4,939,786	799,021,921
<b>Total .....</b>	-	-	<b>42,695,192</b>	<b>51,827,693</b>

TABLE 18. Production of Crude Petroleum, by Provinces, 1956 and 1957

Province	1956		1957	
	Barrels	Value	Barrels	Value
		\$		\$
New Brunswick .....	16,628	23,279	19,401	27,161
Ontario .....	593,370	1,958,121	623,666	2,160,000
Manitoba .....	5,786,540	13,633,088	6,089,743	15,467,947
Saskatchewan .....	21,077,371	36,253,078	36,861,089	79,325,064
Alberta .....	143,909,641	353,629,158	137,492,316	355,555,140
British Columbia .....	148,454	302,375	340,945	763,717
Northwest Territories .....	449,409	762,773	420,844	294,591
<b>Canada .....</b>	<b>171,981,413</b>	<b>406,561,872</b>	<b>181,848,004</b>	<b>453,593,620</b>

TABLE 19. World Crude Oil Production, 1956-1958

	1956	1957	1958
	thousands of barrels daily		
<b>North America:</b>			
United States.....	7,146.2	7,175.0	6,704.0
Canada .....	471.2	498.2	452.0
Mexico .....	255.1	261.5	265.4
<b>Total .....</b>	<b>7,872.5</b>	<b>7,934.7</b>	<b>7,421.4</b>
<b>South America:</b>			
Venezuela.....	2,452.7	2,779.3	2,608.5
Colombia.....	120.4	121.6	127.6
Argentina .....	83.4	93.6	93.4
Trinidad .....	70.0	93.2	101.4
Peru .....	49.9	52.7	53.5
Ecuador .....	9.8	8.7	8.9
Chile .....	9.5	11.8	14.7
Brazil .....	10.9	27.7	50.4
Bolivia .....	8.8	9.8	9.4
Cuba .....	1.7	1.0	1.0
<b>Total .....</b>	<b>2,817.1</b>	<b>3,199.4</b>	<b>3,066.7</b>
<b>Western Hemisphere .....</b>	<b>10,689.6</b>	<b>11,134.1</b>	<b>10,488.1</b>
<b>Europe and Africa:</b>			
Austria .....	63.8	59.2	53.3
Germany (West) .....	68.0	76.7	84.8
Netherlands .....	20.6	29.6	29.5
France .....	24.1	28.1	26.7
Algeria .....	9.7	3.6	8.9
French Morocco .....	2.0	1.6	1.5
Italy and Sicily .....	10.5	20.6	29.0
United Kingdom .....	1.3	1.7	1.7
Gabon .....	—	1.6	8.6
Nigeria .....	—	—	5.2
<b>Total (excluding U.S.S.R. and satellites) .....</b>	<b>191.0</b>	<b>222.7</b>	<b>249.2</b>
<b>U.S.S.R. ....</b>	<b>1,568.0</b>	<b>1,956.8</b>	<b>2,271.4</b>
Romania .....	223.0	228.3	228.4
Hungary .....	35.0	14.1	16.4
Poland .....	7.0	3.7	3.7
Albania .....	6.0	9.0	9.0
Czechoslovakia .....	3.0	2.6	2.6
Yugoslavia .....	3.0	8.4	8.4
<b>Total .....</b>	<b>1,845.0</b>	<b>2,222.9</b>	<b>2,539.9</b>
<b>Total Europe and Africa .....</b>	<b>2,036.0</b>	<b>2,445.6</b>	<b>2,789.1</b>
<b>Near and Middle East:</b>			
Kuwait .....	1,075.2	1,139.9	1,393.2
Saudi Arabia .....	985.3	992.1	1,013.2
Iraq .....	641.8	445.4	736.3
Iran .....	547.5	714.4	826.2
Qatar .....	127.5	139.8	169.8
Egypt .....	36.6	42.1	54.6
Bahrain .....	30.0	32.0	39.8
Neutral zone .....	37.5	62.7	86.3
Turkey .....	5.9	6.3	6.2
<b>Total .....</b>	<b>3,487.3</b>	<b>3,574.9</b>	<b>4,325.6</b>

TABLE 19. World Crude Oil Production, 1956-1958 - Concluded

	1956	1957	1958
	thousands of barrels daily		
<b>Far East and Oceania:</b>			
Indonesia .....	254.1	314.7	310.0
British Borneo .....	119.4	117.1	117.2
Japan .....	6.1	6.2	6.1
India .....	6.2	9.1	8.9
New Guinea .....	—	6.3	4.8
Pakistan .....	5.7	5.9	5.4
Burma .....	4.9	7.7	7.9
China .....	—	40.9	35.0
<b>Total .....</b>	<b>396.4</b>	<b>507.0</b>	<b>495.3</b>
<b>Eastern Hemisphere .....</b>	<b>5,919.7</b>	<b>6,527.5</b>	<b>7,610.0</b>
<b>World total .....</b>	<b>16,609.3</b>	<b>17,661.6</b>	<b>18,098.1</b>

TABLE 20. Crude Oil Production by Principal Nations and Hemispheres, 1956-1958

	1956	1957	1958
	per cent		
<b>Principal Nations:</b>			
United States .....	43.0	40.4	37.0
Venezuela .....	14.8	15.8	14.4
U.S.S.R. ....	9.4	13.2	12.6
Kuwait .....	6.5	6.5	7.6
Saudi Arabia .....	5.9	5.7	5.6
Iraq .....	3.8	2.3	4.0
Canada .....	2.8	2.9	2.5
Iran .....	3.3	4.0	4.7
Mexico .....	1.5	1.4	1.4
Indonesia .....	1.5	1.8	1.8
Romania .....	1.3	1.2	1.3
British Borneo .....	0.7	0.7	0.7
<b>Western Hemisphere .....</b>	<b>64.4</b>	<b>62.7</b>	<b>57.9</b>
North America .....	47.4	44.6	40.9
South America .....	16.9	18.1	17.0
<b>Eastern Hemisphere .....</b>	<b>35.5</b>	<b>37.3</b>	<b>40.5</b>
Middle East .....	20.5	20.0	23.8
Oceania and Far East .....	2.5	2.8	2.9
Europe (including U.S.S.R.) .....	12.5	14.5	13.8

Source: Data for Tables 19 and 20 were extracted from "World Petroleum", January, 1959.

Note: 1 barrel = 35 Imperial gallons.

TABLE 21. Refinery Production<sup>1</sup> of Gasoline, 1948-1957

Year	Motor gasoline	Aviation gasoline	Total
	Imperial gallons		
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
1953 .....	2,231,373,398	21,061,411	2,252,434,809
1954 .....	2,398,748,504	17,282,637	2,416,031,141
1955 .....	2,683,592,445	25,749,699	2,709,341,144
1956 .....	3,004,642,860	26,558,892	3,031,201,752
1957 .....	3,020,182,008	20,763,838	3,040,945,846

<sup>1</sup> Includes production made for own use.

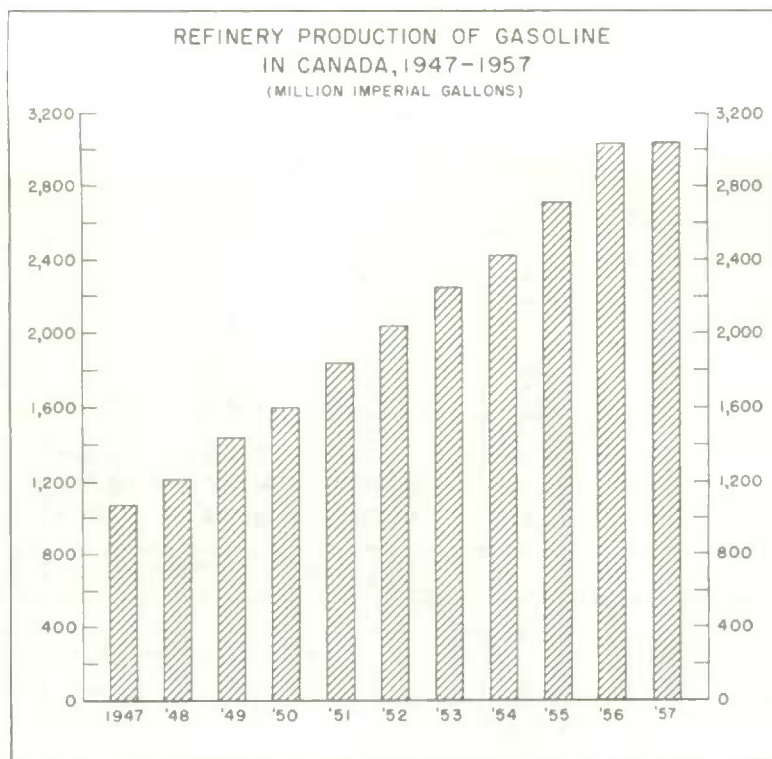


TABLE 22. Gross Sales<sup>1</sup> of Gasoline, by Provinces and Yukon Territory, 1954-1957

Province	1954	1955	1956	1957
	thousands of Imperial gallons			
Newfoundland <sup>2</sup> .....	18,819	21,535	24,242	25,527
Prince Edward Island <sup>2</sup> .....	12,783	13,751	14,325	14,294
Nova Scotia <sup>2</sup> .....	80,518	86,499	91,134	94,852
New Brunswick <sup>2</sup> .....	78,066	75,077	81,178	83,718
Quebec .....	484,869	545,070	611,829	660,810
Ontario <sup>2</sup> .....	991,397	1,099,962	1,198,569	1,237,723
Manitoba .....	162,578	188,284	200,314	219,559
Saskatchewan .....	244,371	262,202	269,662	280,458
Alberta .....	388,930	353,925	383,609	402,561
British Columbia .....	235,671	256,166	298,957	324,972
Yukon <sup>3</sup> .....	—	—	4,246	4,735
<b>Total gross sales .....</b>	<b>2,698,001</b>	<b>2,902,471</b>	<b>3,178,065</b>	<b>3,349,209</b>

<sup>1</sup> Sold for internal combustion purposes.

<sup>2</sup> Gross sales of motor and tractor grades only.

<sup>3</sup> First reported in January, 1956.

TABLE 23. Gross Sales<sup>1</sup> of Gasoline, by Months, 1954-1957

Month	1954	1955	1956	1957
	thousands of Imperial gallons			
January .....	161,055	175,649	198,476	227,582
February .....	159,662	167,455	193,647	206,814
March .....	187,855	188,801	214,178	230,537
April .....	190,847	203,618	216,651	246,886
May .....	241,443	276,328	303,191	323,717
June .....	256,068	292,990	306,176	302,048
July .....	281,683	288,915	318,234	349,483
August .....	272,842	317,743	328,676	351,037
September .....	255,410	292,208	295,979	308,444
October .....	248,218	259,611	310,277	299,204
November .....	232,672	227,760	256,198	254,182
December .....	210,246	211,393	236,382	249,275
<b>Total .....</b>	<b>2,698,001</b>	<b>2,902,471</b>	<b>3,178,065</b>	<b>3,349,209</b>

<sup>1</sup> Sold for internal combustion purposes.

**TABLE 24. Gross Sales of Gasoline, by Months and by Provinces, and Yukon Territory, 1957 and Totals for 1956**

Month	Newfoundland <sup>1</sup>	Prince Edward Island <sup>1</sup>	Nova Scotia <sup>1</sup>	New Brunswick <sup>1</sup>	Quebec	Ontario <sup>1</sup>
thousands of Imperial gallons						
January .....	1,659	635	6,048	5,572	44,926	88,467
February .....	1,546	618	5,419	5,077	40,559	81,819
March .....	1,628	566	5,765	5,243	45,607	88,220
April .....	1,844	900	6,713	5,191	46,461	96,519
May .....	2,003	1,424	8,843	7,398	59,710	111,617
June .....	2,285	1,610	8,436	7,848	58,434	107,995
July .....	2,769	1,637	10,193	9,464	68,170	125,522
August .....	2,639	1,704	10,528	9,403	67,974	125,497
September .....	2,469	1,498	8,644	7,752	59,330	107,934
October .....	2,311	1,526	8,638	7,842	61,034	111,231
November .....	2,105	1,222	7,663	6,505	54,591	97,192
December .....	2,269	953	7,962	6,423	54,015	95,710
<b>Totals for 1957 .....</b>	<b>25,527</b>	<b>14,293</b>	<b>94,852</b>	<b>83,718</b>	<b>660,811</b>	<b>1,237,723</b>
<b>Totals for 1956 .....</b>	<b>24,242</b>	<b>14,325</b>	<b>91,134</b>	<b>81,178</b>	<b>611,829</b>	<b>1,198,569</b>
	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Total
thousands of Imperial gallons						
January .....	18,545	12,674	26,348	22,435	273	227,582
February .....	12,198	12,452	24,678	22,199	249	206,814
March .....	13,168	16,167	27,631	26,203	337	230,535
April .....	14,688	15,852	29,674	28,760	284	246,886
May .....	23,714	35,960	45,978	26,728	343	323,718
June .....	19,078	31,471	36,596	27,728	567	302,048
July .....	22,770	30,891	40,136	37,325	607	349,484
August .....	23,795	35,674	39,596	33,616	611	351,037
September .....	21,908	30,466	39,209	28,763	471	308,444
October .....	20,380	25,478	34,652	25,603	509	299,204
November .....	14,575	17,825	29,364	22,906	234	254,182
December .....	14,740	15,548	28,699	22,706	250	249,275
<b>Totals for 1957 .....</b>	<b>219,559</b>	<b>280,458</b>	<b>402,561</b>	<b>324,972</b>	<b>4,735</b>	<b>3,349,209</b>
<b>Totals for 1956 .....</b>	<b>200,314</b>	<b>269,662</b>	<b>383,609</b>	<b>298,957</b>	<b>4,246</b>	<b>3,178,065</b>

<sup>1</sup> Gross sales of motor and tractor grades only.

**TABLE 25. Net Sales<sup>1</sup> of Gasoline, by Provinces, and Yukon Territory, 1954-1957**

Province	1954	1955	1956	1957
thousands of Imperial gallons				
Newfoundland .....	17,796	20,470	23,109	24,224
Prince Edward Island .....	9,135	9,955	10,367	9,785
Nova Scotia .....	67,488	72,633	76,909	80,496
New Brunswick .....	68,386	61,855	66,637	70,341
Quebec .....	434,581	492,225	552,503	593,260
Ontario .....	824,877	930,144	1,000,391	1,062,519
Manitoba .....	99,530	100,054	114,879	117,441
Saskatchewan .....	128,116	134,343	143,446	157,726
Alberta .....	184,509	202,489	222,042	237,183
British Columbia .....	186,584	202,811	244,062	270,122
Yukon Territory .....	<sup>2</sup>	<sup>2</sup>	2,643	2,994
<b>Canada .....</b>	<b>2,021,022</b>	<b>2,226,979</b>	<b>2,456,988</b>	<b>2,626,091</b>

<sup>1</sup> Gross sales less gasoline exempt from tax or on which tax is refunded.

<sup>2</sup> First reported in 1956.



TABLE 26. Provincial Government Receipts from Gasoline Taxes, by Provinces, 1954 - 1957

Province	1954	1955	1956	1957
	dollars			
Newfoundland .....	2,598,547	3,362,266	3,894,083	4,054,881
Prince Edward Island .....	1,300,186	1,372,384	1,425,452	1,883,246
Nova Scotia .....	10,314,084	12,381,334	13,125,184 <sup>1</sup>	13,801,492
New Brunswick .....	8,780,183	9,922,358	10,670,712	10,892,134
Quebec .....	59,702,807	67,970,367	78,026,440	84,727,249
Ontario .....	92,657,841	103,789,054	112,940,735	143,218,806
Manitoba .....	8,984,172	9,315,394	12,178,334	13,808,365
Saskatchewan .....	14,470,247	14,662,983	16,221,617	18,944,253
Alberta .....	18,576,963	20,256,251	22,256,815	23,902,404
British Columbia .....	18,107,275	21,118,484	23,967,910	25,642,375
Yukon and Northwest Territories .....	209,900	256,942	332,392	268,821
<b>Total receipts .....</b>	<b>235,702,205</b>	<b>264,407,817</b>	<b>295,039,674<sup>1</sup></b>	<b>341,144,026</b>

<sup>1</sup> Revised.

TABLE 27. Revenues from Motor Vehicle Registrations and Gasoline Taxes, 1948 - 1957

Year	From motor vehicle registrations	From gasoline taxes	Year	From motor vehicle registrations	From gasoline taxes
	dollars			dollars	
1948 .....	51,287,732	124,330,987	1953 .....	87,788,069	219,876,095
1949 .....	58,205,854	137,834,316	1954 .....	93,849,956	235,702,205
1950 .....	67,185,528	155,146,585	1955 .....	113,519,484	264,407,817
1951 .....	73,707,694	178,505,307	1956 .....	127,809,526 <sup>1</sup>	295,039,674 <sup>1</sup>
1952 .....	81,119,360	196,885,566	1957 .....	139,750,497	341,144,026

<sup>1</sup> Revised.

TABLE 28. Registrations of Motor Vehicles, by Provinces, 1954 - 1957

Province	1954	1955	1956	1957
	number			
Newfoundland .....	34,423	39,766	45,768	47,655
Prince Edward Island .....	20,848	22,145	20,779	21,193
Nova Scotia .....	133,087	149,841	151,764	156,498
New Brunswick .....	99,058	106,648	110,963	116,350
Quebec .....	674,114	743,682	824,908	881,047
Ontario .....	1,489,980	1,617,853	1,710,240	1,793,499
Manitoba .....	210,471	222,474	233,848 <sup>1</sup>	244,342
Saskatchewan .....	267,373	274,950	291,053	300,094
Alberta .....	338,541	356,839	381,153	405,229
British Columbia .....	371,711	409,343	450,547	487,533
Yukon and Northwest Territories .....	4,983	5,111	5,451	6,155
<b>Canada .....</b>	<b>3,644,589</b>	<b>3,948,652</b>	<b>4,226,474<sup>1</sup></b>	<b>4,459,595</b>

<sup>1</sup> Revised.

TABLE 29. Registrations of Motor Vehicles, by Types, 1957

Province	Passenger cars	Motor trucks	Motor buses	Motor-cycles	Truck tractors	Other motor vehicles	Total
	number						
Newfoundland .....	34,361	12,368	158	288	<sup>1</sup>	480	47,655
Prince Edward Island .....	14,595	6,462	10	126	<sup>1</sup>	<sup>2</sup>	21,193
Nova Scotia .....	118,216	36,536	707	1,039	<sup>1</sup>	<sup>1</sup>	156,498
New Brunswick .....	86,518	23,779	504	917	<sup>1</sup>	4,632	116,350
Quebec .....	677,336	176,281	4,262	13,040	<sup>1</sup>	10,128	881,047
Ontario .....	1,431,438	345,961	4,578	11,522	<sup>1</sup>	<sup>1</sup>	1,793,499
Manitoba .....	182,555	59,897	199	1,602	<sup>1</sup>	89	244,342
Saskatchewan .....	186,543	110,407	129	663	2,352	<sup>2</sup>	300,094
Alberta .....	276,679	123,474	3,084	1,992	<sup>1</sup>	<sup>1</sup>	405,229
British Columbia .....	371,727	112,092	—	3,714	<sup>1</sup>	<sup>1</sup>	487,533
Yukon and Northwest Territories .....	3,451	2,293	35	7	139	230	6,155
<b>Canada .....</b>	<b>3,383,419</b>	<b>1,009,550</b>	<b>13,666<sup>3</sup></b>	<b>34,910</b>	<b><sup>4</sup></b>	<b>15,559<sup>1</sup></b>	<b>4,459,595</b>

<sup>1</sup> Included with trucks.<sup>2</sup> Not available.<sup>3</sup> Figures not complete.<sup>4</sup> Total not available.

TABLE 30. Petroleum Coke: Deliveries For Consumption, 1956 and 1957 (Used as fuel only — not as manufacturing materials)

Fuel for domestic and industrial heating	1956	1957
	tons	
Atlantic provinces .....	—	—
Quebec .....	—	—
Ontario .....	7,097	18,310
Manitoba .....	—	—
Saskatchewan .....	—	—
Alberta and Northwest Territories .....	—	—
British Columbia and Yukon .....	—	—
<b>Total .....</b>	<b>7,097</b>	<b>18,310</b>

TABLE 31. Principal Statistics of the Lubricating Oils and Greases Industry, 1953-1957

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Gross selling value of products <sup>1</sup>
	number		dollars				
1953 .....	13	286	988,784	57,529	7,215,941	3,117,658	10,391,128
1954 .....	13	294	1,007,140	121,431	7,630,956	5,186,097	12,696,501
1955 .....	13	285	1,069,308	129,152	9,885,133	5,279,922	15,294,207
1956 .....	13	295	1,131,515	132,692	10,470,114	6,325,947	16,767,832
1957 .....	13	270	1,132,624	146,319	10,788,444	5,965,057	16,777,283

<sup>1</sup> See footnote to text.

TABLE 32. Principal Statistics of the Lubricating Oils and Greases Industry, by Provinces, 1956 and 1957

Province	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Value of factory shipments
	number		dollars				
<b>1956</b>							
Quebec .....	3	85	243,410	41,229	3,782,087	2,193,935	5,857,576
Ontario .....	7	210	888,105	91,463	6,688,027	4,132,012	10,910,256
Saskatchewan .....	2						
British Columbia .....	1						
<b>Canada .....</b>	<b>13</b>	<b>295</b>	<b>1,131,515</b>	<b>132,692</b>	<b>10,470,114</b>	<b>6,325,947</b>	<b>16,767,832</b>
<b>1957</b>							
Quebec .....	3	65	257,975	41,115	3,460,339	2,365,701	5,638,417
Ontario .....	6	175	760,192	95,198	5,946,040	2,906,241	9,104,520
Manitoba .....	1	30	114,457	10,006	1,382,065	693,115	2,034,346
Saskatchewan .....	1						
Alberta .....	2						
<b>Canada .....</b>	<b>13</b>	<b>270</b>	<b>1,132,624</b>	<b>146,319</b>	<b>10,788,444</b>	<b>5,965,057</b>	<b>16,777,283</b>

<sup>1</sup> See footnote to text.

TABLE 33. Products made in the Lubricating Oils and Greases Industry, 1956 and 1957

Product	1956		1957		
	Quantity	Value of factory shipments	Quantity	Value of factory shipments	
		\$		\$	
Greases, lubricating .....	lb.	17,397,449	2,223,594	17,822,185	2,235,672
Oils, lubricating .....	gal.	17,817,640	14,477,969	17,660,245	14,535,105
All other products .....	—	—	66,269	—	6,506
<b>Total .....</b>	<b>—</b>	<b>—</b>	<b>16,767,832</b>	<b>—</b>	<b>16,777,283</b>

**TABLE 34. Deliveries of Petroleum Fuels for Consumption, Calendar Year 1957,  
as Reported by Refiners and Distributors**

No.		Atlantic Provinces	Quebec	Ontario	Manitoba
		barrels of 35 Imperial gallons			
	<b>(a) Heavy and medium fuel oils (Nos. 6, 5 and 4):</b>				
1	For heating homes and buildings and for light- ing and cooking .....	377,579	2,817,456	1,224,664	539,856
2	For electric light plants .....	384,141	814	1,739	6,182
3	For industrial purposes, as fuel or material .....	2,908,555	9,128,240	8,896,462	836,869
4	For tractors and other motor vehicles, as fuel ....	—	—	—	—
5	To railways .....	259,684	164,306	130,453	383,855
6	To ships for bunkering .....	2,147,820	3,860,423	1,025,790	—
7	For unspecified uses .....	1,392	275,174	637,146	674
8	<b>Total deliveries of fuel oils, all uses .....</b>	<b>6,079,171</b>	<b>16,246,413</b>	<b>11,916,254</b>	<b>1,767,436</b>
	<b>(b) Heavy and light furnace oils (Nos. 3 and 2):</b>				
9	For heating homes and buildings and for light- ing and cooking .....	3,230,490	10,712,550	20,977,926	2,577,301
10	To electric light plants .....	1,852	63,868	177,061	236
11	For industrial purposes, as fuel or material .....	359,949	867,271	1,637,151	91,587
12	For tractors and other motor vehicles, as fuel ....	—	1,413	7,084	20,256
13	To railways .....	8,913	64,824	52,491	22,241
14	To ships and boats, as fuel .....	395	15,925	30,468	—
15	For unspecified uses .....	977	214,756	1,122,374	5,634
16	<b>Total deliveries of furnace oils, all uses .....</b>	<b>3,602,576</b>	<b>11,940,607</b>	<b>24,004,555</b>	<b>2,717,255</b>
	<b>(c) Diesel fuel:</b>				
17	For heating homes and buildings and for light- ing and cooking .....	18,059	72,893	140,388	238,029
18	To electric light plants .....	36,305	103,985	40,427	1,443
19	For industrial purposes, as fuel or material .....	533,489	237,570	745,425	312,490
20	For tractors and other motor vehicles, as fuel ....	189,455	922,394	564,910	255,455
21	To railways .....	803,402	1,425,832	2,162,416	172,597
22	To ships and boats, as fuel .....	925,190	782,057	106,475	—
23	For unspecified uses .....	33,863	386,170	719,859	16,146
24	<b>Total deliveries of diesel fuel, all uses .....</b>	<b>2,539,763</b>	<b>3,930,901</b>	<b>4,479,900</b>	<b>986,160</b>
	<b>(d) Stove oil (No. 1), tractor fuel, kerosene and illuminating oil:</b>				
25	For heating homes and buildings and for light- ing and cooking .....	2,103,247	4,477,833	3,627,626	68,028
26	To railways .....	11,103	20,309	10,771	11,871
27	To electric light plants .....	6	3,302	13,076	5,217
28	For industrial purposes, as fuel or material .....	134,017	129,095	360,443	45,487
29	For tractors and other motor vehicles, as fuel ....	499	127,828	2,073	22,627
30	For unspecified uses .....	2,213	73,608	111,499	22,268
31	<b>Total deliveries of section (d), all uses .....</b>	<b>2,251,085</b>	<b>4,831,975</b>	<b>4,125,488</b>	<b>175,498</b>
	<b>(e) Combined totals of sections (a)–(d):</b>				
32	For heating homes and buildings and for light- ing and cooking .....	5,729,375	18,080,732	25,970,604	3,413,214
33	To electric light plants .....	422,304	171,969	232,303	13,078
34	For industrial purposes, as fuel or material .....	3,936,010	10,362,176	11,639,481	1,286,433
35	For tractors and other motor vehicles, as fuel ....	189,954	1,051,635	574,067	298,338
36	To railways .....	1,083,102	1,675,271	2,356,131	590,564
37	To ships and boats, as fuel .....	3,073,405	4,658,405	1,162,733	—
38	For unspecified uses .....	38,445	949,708	2,590,878	44,722
39	<b>Total deliveries of all liquid fuels, all uses ..</b>	<b>14,472,595</b>	<b>36,949,896</b>	<b>44,526,197</b>	<b>5,646,349</b>
	<b>(f) Petroleum coke:</b>				
40	For domestic and industrial heating .....	—	—	18,310	—
41	For industrial purposes, as material .....	—	313,781	132,570	36
42	<b>Total deliveries of petroleum coke .....</b>	<b>—</b>	<b>313,781</b>	<b>150,880</b>	<b>36</b>

Note: Above table does not include heavy and medium fuel oils (Nos. 6, 5 and 4) used under refinery boilers.

**TABLE 34. Deliveries of Petroleum Fuels for Consumption, Calendar Year, 1957  
as Reported by Refiners and Distributors**

Saskatchewan	Alberta and Northwest Territories	British Columbia and Yukon	Canada		Canada		No.
			1957	Per cent of section total	1956	Per cent of section total	
barrels of 35 Imperial gallons							
464,741	37,312	1,112,600	6,574,208	13.4	6,848,719	13.4	1
1,100,399	174	161,050	1,654,499	3.4	1,734,404	3.4	2
209,600	199,357	3,334,827	25,513,910	52.0	25,842,630	50.7	3
555	—	—	555	—	—	—	4
1,219,072	2,579,015	391,733	5,128,118	10.4	7,469,811	14.6	5
—	—	2,070,260	9,104,293	18.5	8,148,676	16.0	6
16,851	151,411	60,665	1,143,313	2.3	915,897	1.9	7
<b>3,011,218</b>	<b>2,967,269</b>	<b>7,131,135</b>	<b>49,118,896</b>	<b>100.0</b>	<b>50,960,137</b>	<b>100.0</b>	<b>8</b>
2,381,633	648,416	2,932,803	43,461,119	89.0	40,913,030	89.3	9
—	—	793	243,810	1.0	8,287	—	10
80,366	93,517	265,709	3,395,550	7.0	3,683,241	8.0	11
11,317	31,157	—	71,227	—	84,990	.2	12
31,295	13,153	7,394	200,311	—	376,385	.8	13
—	—	1,199	47,987	—	19,023	—	14
12,290	4,320	32,134	1,392,485	3.0	711,389	1.7	15
<b>2,516,901</b>	<b>790,563</b>	<b>3,240,032</b>	<b>48,812,489</b>	<b>100.0</b>	<b>45,796,345</b>	<b>100.0</b>	<b>16</b>
32,966	78,038	50,492	620,865	3.0	1,340,740	7.4	17
3,775	20,167	187,867	393,969	2.0	220,838	1.2	18
312,656	545,094	1,278,760	3,865,484	19.0	3,406,867	18.9	19
732,624	793,032	511,613	3,969,483	19.4	3,807,755	21.1	20
718,151	1,534,396	554,246	7,371,040	36.0	6,200,864	34.5	21
54	53,360	637,798	2,504,934	12.2	1,730,714	9.6	22
146,953	366,276	66,115	1,735,382	8.4	1,319,078	7.3	23
<b>1,847,179</b>	<b>3,390,363</b>	<b>3,286,891</b>	<b>20,461,157</b>	<b>100.0</b>	<b>18,026,856</b>	<b>100.0</b>	<b>24</b>
305,038	253,350	1,678,771	12,513,893	89.4	12,174,342	88.0	25
1,671	3,707	9,756	69,188	.5	99,614	.7	26
14	—	1,290	22,905	.2	701	—	27
9,543	15,656	207,611	901,852	6.4	1,021,741	7.4	28
5,255	19,691	2,268	180,241	1.2	62,112	.4	29
15,885	54,887	32,608	312,968	2.3	471,742	3.5	30
<b>337,406</b>	<b>347,291</b>	<b>1,932,304</b>	<b>14,001,047</b>	<b>100.0</b>	<b>13,830,252</b>	<b>100.0</b>	<b>31</b>
3,184,378	1,017,116	5,774,666	63,170,085	47.7	61,276,831	47.6	32
1,104,188	20,341	351,000	2,315,183	1.7	1,964,230	1.5	33
512,165	853,624	5,086,907	33,676,796	25.4	33,954,479	26.4	34
749,751	843,880	513,881	4,221,506	3.1	3,954,857	3.1	35
1,970,189	4,130,271	963,129	12,768,657	9.6	14,146,674	10.9	36
54	53,360	2,709,257	11,657,214	9.0	9,898,413	7.7	37
191,979	576,894	191,522	4,584,148	3.5	3,418,106	2.8	38
<b>7,712,704</b>	<b>7,495,486</b>	<b>15,590,362</b>	<b>132,393,589</b>	<b>100.0</b>	<b>128,613,590</b>	<b>100.0</b>	<b>39</b>
—	—	—	18,310	3.4	7,097	1.1	40
—	—	80,146	526,533	96.6	611,944	98.9	41
—	—	<b>80,146</b>	<b>544,843</b>	<b>100.0</b>	<b>619,041</b>	<b>100.0</b>	<b>42</b>

TABLE 35. Materials Used in the Lubricating Oils and Greases Industry, 1956 and 1957

Material	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Compounding stocks (oils, etc.) ..... Imp. gal.	19,312,609	6,526,309	18,686,000	6,428,526
Tallow and grease ..... lb.	813	95	1,555	255
All other materials ..... -	-	1,595,786 <sup>1</sup>	-	1,685,676
Shipping containers ..... -	-	2,407,924 <sup>1</sup>	-	2,673,987
<b>Total</b> ..... -	-	<b>10,470,114</b>	-	<b>10,788,444</b>

<sup>1</sup> Revised.

TABLE 36. Sales of Lubricating Oils, 1956 and 1957 (As reported by principal dealers)

	Motor transport and tractor crankcase oils	Aircraft crankcase oils	Other oils (Industrial, etc.)	Total sales
	barrels of 35 Imperial gallons			
1956				
Atlantic Provinces <sup>1</sup> .....	138,724	10,397	65,845	214,966
Quebec .....	408,099	14,434	247,158	669,691
Ontario .....	556,468	8,009	410,853	975,330
Manitoba .....	103,077	4,627	49,856	157,290
Saskatchewan .....	164,802	386	15,385	180,573
Alberta <sup>2</sup> .....	215,402	5,046	69,500	289,948
British Columbia <sup>3</sup> .....	184,658	5,883	75,815	266,356
<b>Canada</b> .....	<b>1,771,230</b>	<b>48,782</b>	<b>934,142</b>	<b>2,754,154</b>
1957				
Atlantic Provinces <sup>1</sup> .....	133,737	10,832	70,429	214,998
Quebec .....	376,805	14,254	233,052	624,111
Ontario .....	559,973	7,480	426,813	994,266
Manitoba .....	105,035	15,338	38,276	158,649
Saskatchewan .....	163,925	412	16,599	180,936
Alberta <sup>2</sup> .....	218,766	3,720	71,654	294,140
British Columbia <sup>3</sup> .....	185,502	6,267	79,390	271,159
<b>Canada</b> .....	<b>1,743,743</b>	<b>58,303</b>	<b>936,213</b>	<b>2,738,259</b>

<sup>1</sup> Includes Newfoundland, Prince Edward Island, Nova Scotia and New Brunswick.<sup>2</sup> Includes Northwest Territories.<sup>3</sup> Includes Yukon Territory.

**TABLE 37. Sales of Lubricating Greases and Automotive Gear Oils by Type, 1956-1957**  
(as reported by principal dealers)

	Lubricating greases			Automotive gear oils
	Automotive	Industrial	Total	
	barrels of 35 Imperial gallons*			
1956				
Atlantic Provinces <sup>1</sup> .....	6,622	5,073	11,695	7,476
Quebec .....	21,357	21,067	42,424	32,864
Ontario .....	27,093	25,341	52,434	41,613
Manitoba .....	8,009	6,121	14,130	9,620
Saskatchewan .....	18,676	1,440	20,116	19,705
Alberta <sup>2</sup> .....	13,670	6,067	19,737	22,353
British Columbia <sup>3</sup> .....	8,911	5,529	14,440	15,773
<b>Canada</b> .....	<b>104,338</b>	<b>70,638</b>	<b>174,976</b>	<b>149,404</b>
1957				
Atlantic Provinces <sup>1</sup> .....	6,342	4,704	11,046	7,015
Quebec .....	20,170	14,119	34,289	26,821
Ontario .....	30,751	24,040	54,791	49,436
Manitoba .....	7,655	5,320	12,975	8,748
Saskatchewan .....	18,636	1,426	20,062	13,963
Alberta <sup>2</sup> .....	14,129	5,288	19,417	17,180
British Columbia <sup>3</sup> .....	9,164	5,001	14,165	11,483
<b>Canada</b> .....	<b>106,847</b>	<b>59,898</b>	<b>166,745</b>	<b>134,646</b>

\* Includes greases at 10 pounds to a gallon.

<sup>1</sup> Includes Newfoundland, Prince Edward Island, Nova Scotia and New Brunswick.

<sup>2</sup> Includes North West Territories.

<sup>3</sup> Includes Yukon Territory.

**TABLE 38. Employees and their Earnings in the Lubricating Oils and Greases Industry, 1956 and 1957**

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1956								
Ontario .....	46	13	122	—	181	283,820	489,547	773,367
Other provinces .....	23	10	77	4	114	96,460	261,688	358,148
<b>Canada</b> .....	<b>69</b>	<b>23</b>	<b>199</b>	<b>4</b>	<b>295</b>	<b>380,280</b>	<b>751,235</b>	<b>1,131,515</b>
1957								
Ontario .....	25	15	135	—	175	167,749	592,443	760,192
Other provinces .....	18	8	68	1	95	104,259	268,173	372,432
<b>Canada</b> .....	<b>43</b>	<b>23</b>	<b>203</b>	<b>1</b>	<b>270</b>	<b>272,008</b>	<b>860,616</b>	<b>1,132,624</b>

**TABLE 39. Production Workers in the Lubricating Oils and Greases Industry, by Months, 1956 and 1957**

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
January .....	188	5	193	182	1	183
February .....	189	5	194	182	1	183
March .....	190	5	195	197	1	198
April .....	197	5	202	204	1	205
May .....	211	4	215	212	1	213
June .....	218	4	222	220	1	221
July .....	221	4	225	221	1	222
August .....	212	4	216	220	1	221
September .....	198	4	202	208	1	209
October .....	192	4	196	199	1	200
November .....	195	4	199	199	1	200
December .....	188	4	192	194	1	195
<b>Average .....</b>	<b>199</b>	<b>4</b>	<b>203</b>	<b>203</b>	<b>1</b>	<b>204</b>

**TABLE 40. Fuel and Electricity Used in the Lubricating Oils and Greases Industry, 1956 and 1957**

Kind		1956		1957	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Anthracite coal .....	ton	29	658	19	465
Lignite coal .....	"	328	4,493	—	—
Gasoline (including gasoline used in cars and trucks) .....	Imp. gal.	7,906	2,897	13,058	5,136
Kerosene .....	"	3,120	625	—	—
Fuel oil .....	"	1,156,563	90,896	1,147,104	108,192
Manufactured gas .....	M cu. ft.	443	540	600	628
Electricity purchased .....	kwh.	2,343,348	31,830	2,445,779	31,834
Other fuel .....	—	—	753	—	64
<b>Total .....</b>	<b>—</b>	<b>—</b>	<b>132,692</b>	<b>—</b>	<b>146,319</b>

**TABLE 41. Principal Statistics of the Absorption Gasoline Industry, 1953-1957**

Year	Estab-lish-ments	Em-ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture <sup>1</sup>	Value of factory shipments
	number			dollars			
1953 .....	5	96	374,309	115,954	1,922,553	2,598,038	4,636,545
1954 .....	8	134	512,138	120,738	2,054,409	3,441,650	5,558,996
1955 .....	8	174	791,114	150,650	2,670,049	4,379,679	7,200,378
1956 .....	7	141	690,330	299,340	3,329,277	4,749,492	8,407,715
1957 .....	10	270	1,408,882	424,412	5,246,689	5,890,529	11,344,465

<sup>1</sup> See footnote to text.



TABLE 42. Products Made in the Absorption Gasoline Industry, 1956 and 1957

Product		1956		1957	
		Quantity	Selling value at works	Quantity	Value of shipments
			\$		\$
Dry gas <sup>1</sup> .....	M cu. ft.	27,763,022	2,656,804	40,988,937	3,454,401
Natural gasoline <sup>2</sup> .....	Imp. gal.	30,952,799	2,554,552	32,817,775	2,616,028
Liquefied petroleum gases (propane and butane) .....	"	44,224,579	1,794,768	48,579,295	2,220,297
Sulphur .....	ton	34,790	799,725	93,369	2,061,435
All other products .....	—	—	601,866	—	992,304
<b>Total</b> .....	—	—	<b>8,407,715</b>	—	<b>11,344,465</b>

<sup>1</sup> 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.

<sup>2</sup> See footnote to Table 43.

TABLE 43 A. Production of Natural Gasoline in Alberta, 1953-1955

	1953	1954	1955
	barrels		
Production—by fields:			
Jumping Pound .....	33,706	56,190	56,798
Leduc-Woodbend .....	82,241	93,843	116,736
Turner Valley .....	486,421	508,613	545,313
Other fields .....	—	14,918	149,569
<b>Total Alberta</b> .....	<b>602,368</b>	<b>673,564</b>	<b>868,416</b>

TABLE 43 B. Production of Natural Gasoline and Naphtha in Alberta, 1956 and 1957

	1956	1957
	barrels	
Production—by fields:		
Acheson .....	14,876	19,561
Bonnie Glen .....	143,286	147,015
Devon .....	142,605	123,702
Fenn-Big Valley .....	418	—
Jumping Pound .....	57,817	67,620
Leduc-Woodbend .....	—	—
Morinville .....	9,851	20,281
Nevis .....	1,360	38,289
Redwater .....	7,205	45,275
Turner Valley .....	536,154	506,419
<b>Total Alberta</b> .....	<b>913,572</b>	<b>968,162</b>

**Note:** The figures shown for natural gasoline in Tables 42 and 43(a) and 43(b) refer to the same product but are derived from two different surveys. The figures shown in Table 42 are from the Census of Industry and those in Table 43 are from the report by the Alberta Petroleum and Natural Gas Conservation Board.

TABLE 44. Production<sup>1</sup> and Imports of Liquefied Petroleum Gases, 1953-1957

Year	Production	Imports
	pounds	
1953 .....	264,000,000	263,000,000
1954 .....	371,000,000	265,000,000
1955 .....	527,000,000	222,000,000
1956 .....	702,000,000	205,000,000
1957 .....	795,000,000	217,000,000

<sup>1</sup> From all industries.

TABLE 45. Employees and their Earnings in Absorption Gasoline Plants, 1956 and 1957

Total employees		1956	1957
Supervisory and office employees:			
Male .....	No.	20	49
Female .....	"	—	3
<b>Total</b> .....	"	<b>20</b>	<b>52</b>
Production workers:			
Male .....	"	121	218
Female .....	"	—	—
<b>Total</b> .....	"	<b>121</b>	<b>218</b>
<b>Total employees</b> .....	"	<b>141</b>	<b>270</b>
Salaries .....	\$	120,979	288,191
Wages .....	"	569,351	1,120,691
<b>Total salaries and wages</b> .....	"	<b>690,330</b>	<b>1,408,882</b>

TABLE 46. Production Workers in the Absorption Gasoline Industry, by Months, 1956 and 1957

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
	number					
January .....	129	—	129	213	—	213
February .....	128	—	128	222	—	222
March .....	126	—	126	223	—	223
April .....	121	—	121	221	—	221
May .....	121	—	121	227	—	227
June .....	121	—	121	220	—	220
July .....	121	—	121	221	—	221
August .....	122	—	122	219	—	219
September .....	121	—	121	217	—	217
October .....	117	—	117	217	—	217
November .....	115	—	115	215	—	215
December .....	115	—	115	217	—	217
<b>Average</b> .....	<b>121</b>	<b>—</b>	<b>121</b>	<b>218</b>	<b>—</b>	<b>218</b>

TABLE 47. Capital and Repair Expenditures by the Absorption Gasoline Plants, 1953-1957

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1953 .....	466	177	643	139	112	251	894
1954 .....	3,575	4,924	8,499	108	94	202	8,701
1955 .....	2,550	304	2,854	186	132	318	3,172
1956 .....	8,384	2,075	10,459	165	102	267	10,726
1957 .....	34,847	26	34,873	558	103	661	35,534

Note: Figures for the current year are preliminary.

TABLE 48. Fuel and Electricity Used by the Absorption Gasoline Plants, 1956 and 1957

Kind	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Gasoline (including gasoline used in cars and trucks) ..... Imp. gal.	4,485	1,839	8,156	3,196
Liquefied petroleum gases ..... "	229,661	20,841	1,016,690	92,710
Natural gas ..... M cu. ft.	2,360,996	106,596	2,589,838	116,881
Electricity purchased ..... kwh.	10,597,108	112,030	16,715,210	210,766
Other fuel ..... -	-	58,034	-	859
<b>Total</b> ..... -	-	<b>299,340</b>	-	<b>424,412</b>

TABLE 49. Imports of Petroleum, Asphalt, and their Products, 1956 and 1957

Item	1956		1957	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not ..... cwt.	647,535	930,666	856,625	1,534,675
Asphalt oil for paving ..... gal.	66,960	9,871	448,377	52,525
Oil, imported by miners or mining companies, for the concentration of ores or metals .....	189,163	280,511	240,390	361,563
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah... M gal.	3,726,439	270,881,006	3,916,688	305,556,798
Crude petroleum, n.o.p. .... gal.	11,550	1,098	3,570	349
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 .....	5,996,977	408,689	-	-
Fuel oil, ex-warehoused, for ships' stores ....	-	-	55,706	8,586
Aviation gasoline .....	103,206,194	21,356,281	117,207,239	24,262,476
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p. ....	20,089,504	2,339,654	16,107,707	2,097,643
Engine distillate, .8017 specific gravity or heavier at 60° Fah. ....	67,486	9,533	30,673	4,257
Gasoline, lighter than .8236 specific gravity at 60° Fah. ....	94,712,672	13,278,319	89,714,008	12,794,310
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 .....	7,061,946	572,506	1,733,153	123,430
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon .....	23,268,869	4,865,673	18,659,662	4,015,123
Lubricating oils 25 cents and over .....	20,776,183	8,140,475	22,017,995	8,947,314
Oils, mineral, n.o.p. ....	1,692,181	1,520,417	1,739,330	1,585,210
Stove oil, No. 1 fuel oil .....	168,686,860	19,662,944	140,122,167	16,080,016
Light fuel oils, Nos. 2 and 3 .....	262,552,800	28,745,957	248,533,441	27,735,687
Heavy fuel oils, Nos. 4, 5 and 6 .....	375,758,770	25,454,534	339,745,774	25,811,353
Diesel fuel .....	67,378,233	7,729,511	57,225,104	6,568,106
Tractor fuel .....	-	-	-	-
Petroleum greases and lubricating greases, n.o.p. .... lb.	18,225,566	2,098,418	17,606,651	2,042,565
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes .....	-	674,491	-	766,654
Paraffin wax ..... lb.	42,956,237	2,890,954	43,129,388	2,831,821
Paraffin wax candles .....	312,683	100,896	337,753	104,586
Products of petroleum, n.o.p. .... gal.	21,553,612	4,990,725	18,758,782	5,214,535
Liquefied petroleum gases ..... lb.	204,829,101	3,200,942	217,241,923	3,848,577
Naphtha including solvent naphtha .....	15,712,626	3,265,014	13,771,889	3,059,975

TABLE 50. Exports of Petroleum and its Products, 1956 and 1957

Item	1956		1957	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude .....	gal. 1,501,783,000	103,923,155	1,948,598,000	140,974,837
Oil, coal and kerosene, refined .....	" 31,914,470	4,028,334	37,799,780	4,640,940
Gasoline and naphtha .....	" 27,033,680	3,842,826	42,146,318	5,522,723
Fuel oil .....	" 30,531,293	2,763,510	39,581,472	3,658,914
Lubricating oil .....	" 121,189	361,800	439,659	328,171
Oil, mineral, n.o.p. ....	" 10,312	6,284	2,590	1,403
Wax, mineral .....	cwt. 2,344	22,215	3,264	39,639

TABLE 51. Fuel and Electricity Used in the Petroleum Products Industry, 1956 and 1957

Kind	1956		1957	
	Quantity	Cost at works	Quantity	Cost at works
		\$		\$
Anthracite coal .....	ton 29	658	19	465
Lignite coal .....	" 328	4,493	—	—
Coke .....	" 138,340	1,524,892	143,513	1,917,943
Gasoline (including gasoline used in cars and trucks) Imp gal.	1,133,591	223,510	844,491	183,048
Kerosene .....	" 28,037	3,605	9,241	1,784
Fuel oil .....	" 241,291,879	17,597,124	250,097,587	20,846,967
Gas (a) Liquefied petroleum gases .....	" 7,546,452	670,988	5,676,005	518,166
(b) Other manufactured gas .....	M cu. ft. 27,009,739	14,356,436	35,332,750	19,556,866
(c) Natural gas .....	" 12,487,480	1,573,893	12,521,913	1,568,740
Other fuel .....	—	2,087,979	—	2,128,999
Electricity purchased .....	kwh. 739,709,593	5,083,646	818,182,910	5,675,446
<b>Total</b> .....	—	<b>43,127,224</b>	—	<b>52,398,424</b>

## Directory of Operating Petroleum Refineries, 1957

Name of Company	Location of refinery	Crude oil capacity	Type of refinery	Cracking plant	
				Type	Capacity
<b>Nova Scotia:</b>		bbl. per 24 hours			bbl. per 24 hours
Imperial Oil Limited .....	Imperoyal .....	44,500	S-C	Catalytic .....	17,500
<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	Catalytic .....	19,800
Imperial Oil Limited .....	Montreal East ...	71,800	S-C	Thermal and Catalytic	19,500
McCull-Fontenac Oil Co. Limited .....	Montreal East ...	59,000	S-C	Thermal and Catalytic	44,900
Shell Oil Company of Canada Ltd. ....	Montreal East ...	50,000	S-C	Thermal and Catalytic	29,500
Canadian Petrofina Ltd. ....	Montreal East ...	20,000	S-C	Thermal and Catalytic	16,000
<b>Ontario:</b>					
British American Oil Co. Limited .....	Clarkson .....	55,350	S-C	Catalytic .....	10,440
Canadian Oil Companies Limited .....	Corunna .....	30,000	C	Catalytic .....	11,000
Husky Oil & Refining Ltd. (Riverlake Oils Division) .....	Fort William .....	4,000	S	—	—
Imperial Oil Limited .....	Sarnia .....	77,000	S-C	Thermal and Catalytic	28,000
Regent Refining (Canada) Limited .....	Port Credit .....	20,000	S-C	Thermal .....	12,700
Sun Oil Company Limited .....	Sarnia .....	15,000	S-C	Catalytic .....	14,000
<b>Manitoba:</b>					
Anglo-Canadian Oils Ltd. ....	Brandon .....	3,200	S	Thermal .....	1,375
Imperial Oil Limited .....	East St. Paul ...	18,000	S-C	Catalytic .....	6,000
North Star Oil Limited .....	St. Boniface .....	12,000	S-C	Thermal and Catalytic	5,177
<b>Saskatchewan:</b>					
British American Oil Co. Limited .....	Moose Jaw .....	13,500	S-C	Thermal and Catalytic	5,400
Consumers' Co-operative Refineries Limited	Regina .....	16,000	S-C	Thermal and Catalytic	7,500
Imperial Oil Limited .....	Regina .....	22,500	S-C	Thermal and Catalytic	13,200
Husky Oil & Refining Ltd. ....	Moose Jaw .....	3,000	S	—	—
Northern Petroleum Corporation Ltd. ....	Kamsack .....	1,000	S	—	—
Prince Albert Refineries Ltd. ....	Prince Albert ...	1,000	S	—	—
Royalite Products Limited .....	Coleville .....	5,000	S	—	—
Royalite Hi-Way Ltd. ....	Saskatoon .....	6,500	S-C	Catalytic .....	2,600
Petroleum Fuels Ltd. ....	Moose Jaw .....	1,100	S	—	—
<b>Alberta:</b>					
British American Oil Co. Limited .....	Edmonton .....	7,650	S-C	Thermal and Catalytic	3,060
British American Oil Co. Limited .....	Calgary .....	6,750	S-C	Thermal .....	2,250
Anglo American Exploration Ltd. ....	Hartell .....	4,500	S-C	Thermal .....	1,500
Imperial Oil Limited .....	Calgary .....	6,750	S-C	Thermal .....	4,600
Imperial Oil Limited .....	Edmonton .....	28,500	S-C	Thermal and Catalytic	14,500
McCull-Fontenac Oil Co. Limited .....	Edmonton .....	11,900	S-C	Thermal and Catalytic	9,810
Excelsior Refineries Ltd. ....	Lloydminster ...	4,000	S-C	—	—
Husky Oil & Refining Ltd. ....	Lloydminster ...	7,900	S	—	—
Wainwright Producers & Refiners Ltd. ....	Wainwright .....	4,000	S-C	—	—
North Star Oil Ltd. ....	Grand Prairies ..	2,500	C	Thermal .....	2,500
<b>British Columbia:</b>					
Imperial Oil Limited .....	Ioco .....	30,000	S-C	Catalytic .....	7,650
Royalite Products Ltd. ....	Kamloops .....	5,000	S-C	Catalytic .....	1,400
Shell Oil Company of Canada Ltd. ....	Vancouver .....	20,000	S-C	Thermal and Catalytic	9,000
Standard Oil Company of British Columbia Ltd. ....	Burnaby .....	18,000	C	Catalytic .....	9,000
X-L Refineries, Ltd. ....	Dawson Creek ..	3,000	C	Thermal .....	1,200
<b>Northwest Territories:</b>					
Imperial Oil Limited .....	Norman Wells ...	1,300	S	—	—

Note: S—Skimming, C—Cracking.

**Directory of Plants Engaged in the Compounding of Lubricating Oils and Greases, 1957**

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
<b>Ontario:</b>	
Campbell Lubricating Specialties, Ltd. ....	414 Eastern Ave., Toronto
The Kearns Co. of Canada ....	226 Weston Road, Toronto
McColl-Frontenac Oil Co. Ltd. ....	Toronto
Ontario Lubricating Company Ltd. ....	120 Chatham St., Hamilton
Tide Water Associated Oil Company (Canada) Ltd. ....	55 Wade Ave., Toronto
Wynn Oil Co. of Canada, Ltd. ....	23 Rachine Road, Rexdale
<b>Manitoba:</b>	
Tide Water Associated Oil Company (Canada) Ltd., ....	St. James
<b>Saskatchewan:</b>	
Western Oil Company Limited, The ....	860 Fairford St. W., Moose Jaw
<b>Alberta:</b>	
Jet-Lube of Canada ....	Edmonton
McColl-Frontenac Oil Co., Ltd. ....	Edmonton

**List of Absorption Gasoline Plants, 1957**

Name of company	Location of plant
British American Oil Company, Limited ....	Turner Valley, Pincher Creek and Nevis; Alberta
Anglo American Exploration Ltd. ....	Hartell, Alberta
Imperial Oil Limited ....	Devon, Alberta; Redwater, Alberta
Progas Limited ....	Winterburn, Alberta
Royalite Oil Company, Limited ....	Turner Valley, Alberta
Shell Oil Company of Canada, Limited ....	Jumping Pound, Alberta
Texaco Exploration Company ....	Pigeon Lake Area, Alberta



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