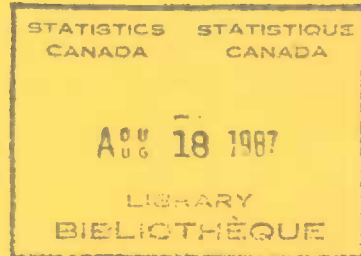


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GOVERNMENT OF CANADA



PETROLEUM PRODUCTS INDUSTRY

1948



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PETROLEUM PRODUCTS INDUSTRY, 1948

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

Thirty-three refineries and 11 blending plants, or a total of 44 works, reported under this category in 1948 and the aggregate value of production was \$394,934,200, an increase of 37 per cent over the 1947 total of \$288,500,286.

Output figures for 1948 included \$387,169,018 for petroleum refineries and \$7,765,182 for concerns engaged in blending oils and greases, against corresponding totals in 1947 of \$286,573,707 and \$1,926,579 respectively. The principal statistics for each of these groups and for the industry as a whole are tabulated below 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, 1944-1948

Year	Number of plants	Average 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
<u>Petroleum Refining</u>						
1944	32	6,699	14,121,064	8,997,491	152,687,371	209,125,332
1945	30	6,670	13,679,972	9,100,033	150,185,119	200,233,529
1946	30	7,048	14,657,496	10,153,100	154,714,683	221,702,376
1947	32	7,686	17,739,785	12,654,136	216,037,106	286,573,707
1948	33	8,245	21,522,698	17,605,205	308,604,948	387,169,018
<u>Compounding Oils and Greases</u>						
1944	16	110	196,875	5,076	871,293	1,422,084
1945	16	105	211,338	6,356	968,310	1,450,150
1946	13	97	191,645	5,925	1,104,061	1,723,004
1947	14	74	138,035	4,427	1,478,965	1,926,579
1948	11	250	539,261	42,433	5,544,416	7,765,182
<u>TOTAL</u>						
1944	48	6,809	14,317,939	9,002,567	153,558,664	210,547,416
1945	46	6,775	13,891,310	9,106,389	151,153,429	201,683,679
1946	43	7,145	14,849,141	10,159,025	155,818,744	223,425,380
1947	46	7,760	17,877,820	12,658,563	217,516,071	288,500,286
1948	44	8,495	22,061,959	17,647,638	314,149,364	394,934,200

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.

Table 2 - PRINCIPAL STATISTICS OF THE PETROLEUM PRODUCTS INDUSTRY BY PROVINCES, 1947 and 1948

Province	Number of plants	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
1947						
Quebec	6	1,717	3,974,857	3,415,617	58,365,300	78,487,072
Ontario	15	3,454	8,053,482	5,643,772	77,400,848	111,856,345
Manitoba	3	208	342,076	136,318	4,812,844	5,979,102
Saskatchewan	7	598	1,330,639	942,072	23,768,985	25,191,964
Alberta	7	658	1,451,093	656,882	22,314,363	26,478,933
British Columbia	5	505	1,234,825	816,915	15,582,777	20,562,850
Nova Scotia	1)					
New Brunswick	1)	620	1,490,848	1,046,987	15,270,954	19,944,020
Northwest Territories	1)					
CANADA	46	7,760	17,877,820	12,658,563	217,516,071	288,500,286
1948						
Quebec	6	1,867	4,995,177	5,418,431	96,532,680	121,180,834
Ontario	14	3,923	10,097,032	7,490,575	106,522,193	141,250,825
Manitoba	3	180	299,255	159,664	6,561,593	7,191,271
Saskatchewan	7	577	1,431,049	1,285,111	31,604,125	34,387,934
Alberta	7	778	2,043,901	770,287	30,990,504	35,390,373
British Columbia	4	558	1,495,800	1,144,957	21,848,179	30,656,627
Nova Scotia	1)					
New Brunswick	1)	612	1,699,745	1,378,613	20,090,090	24,876,336
Northwest Territories	1)					
CANADA	44	8,495	22,061,959	17,647,638	314,149,364	394,934,200

(a) THE PETROLEUM REFINING INDUSTRY, 1948

Thirty-three petroleum refineries operating in Canada during 1948 were distributed by provinces as follows: 4 in Quebec, 6 in Ontario, 3 in Manitoba, 7 in Saskatchewan, 7 in Alberta, 3 in British Columbia and 1 in each of Nova Scotia, New Brunswick and Northwest Territories. These refineries had a capacity of 315,475 barrels of crude oil per day, of which Ontario had 88,700 barrels or 28.2 per cent; Quebec, 107,000 barrels or 34 per cent; Nova Scotia, 25,000 barrels or 7.9 per cent; British Columbia, 26,650 barrels or 8.4 per cent; Saskatchewan, 26,475 barrels or 8.4 per cent; Alberta, 35,750 barrels or 11.3 per cent; Manitoba, 4,500 barrels or 1.4 per cent; the Northwest Territories, 1,100 barrels or .4 per cent, and New Brunswick, 300 barrels. The location, type and capacity of each of these refineries is recorded in the directory at the end of this report.

During the year, 2,641,208,965 gallons of imported crude oil and 417,958,696 gallons of crude oil and absorption gasoline from Canadian wells, or a total of 3,059,167,661 gallons was put through Canadian refineries, this amounting to about 83 per cent of the rated capacity. Of the total crude input, about 38 per cent was imported from the United States and nearly 48 per cent from other countries, while about 14 per cent came from Canadian wells. The total cost at refineries of all crude oil and naphtha charged to stills during the year was \$289,754,671. Stocks of crude oil held at the refineries on December 31, amounted to 212,750,525 gallons.

Refinery production of gasoline in 1948 amounted to 1,219,291,343 gallons, and in addition the refineries used for blending about 45,565,922 gallons of imported casinghead gasoline which is not included in the Canadian production figures. The gallonage of gasoline made in 1948 was 13 per cent over 1947 which, in turn, was 6 per cent over 1946. The refinery selling value of the gasoline made during the year was \$192,762,696. Stocks of gasoline held by the refineries on December 31 included 98,532,682 gallons of motor or aviation gasoline and 13,512,657 gallons of imported casinghead gasoline. In 1948 there was an output of 16,402,925 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.

(a) THE PETROLEUM REFINING INDUSTRY, 1948 (concluded)

Imports of gasoline, including casinghead, amounted to 322,607,355 gallons during 1948 while exports, including re-exports, totalled 8,973,209 gallons. Sales as reported to the Bureau on a monthly basis amounted to 1,517,564,000 gallons, this figure being compiled from returns made to provincial governments in connection with tax payments.

Production of fuel and gas oils (excluding any made and used for cracking processes) totalled 1,288,015,128 gallons, of which 1,164,622,052 gallons were made for sale and 123,393,076 gallons for use as fuel in the producing plant. Imports amounted to 355,447,326 gallons and exports, including re-exports, totalled 64,045,564 gallons. Stocks of fuel oil and distillate at the end of the year stood at 237,840,825 gallons. Output of tractor fuel was 43,955,237 gallons in 1948, imports amounted to 1,064,885 gallons, and producers' stocks increased 8,805,561 gallons to 12,468,684 gallons at the end of the year. Consumption of fuel oils and distillate in Canada as reported by distributors and refiners amounted to 1,755,163,000 gallons in 1948.

Monthly employment in the refining industry averaged 8,245 persons who received \$21,522,698 in salaries and wages. Expenditures for fuel and electricity amounted to \$17,605,205 and \$308,604,948 were paid out for crude oil and other processing materials.

Table 3 - NUMBER AND TOTAL CAPACITY OF PETROLEUM REFINERIES IN OPERATION, 1945-1948

Province	1 9 4 5		1 9 4 6		1 9 4 7		1 9 4 8	
	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day
Nova Scotia	1	34,000	1	34,000	1	34,000	1	25,000
New Brunswick	1	250	1	300	1	300	1	300
Quebec	4	59,000	4	71,000	4	73,000	4	107,000
Ontario	6	75,450	6	77,950	6	87,950	6	88,700
Manitoba	3	4,500	3	4,500	3	4,500	3	4,500
Saskatchewan	7	18,075	7	18,175	7	17,475	7	26,475
Alberta	4	18,100	4	17,300	6	21,300	7	35,750
British Columbia	3	21,000	3	21,800	3	22,300	3	26,650
Northwest Territories.	1	840	1	840	1	1,100	1	1,100
CANADA	30	231,215	30	245,865	32	261,925	33	315,475

Note: 1 barrel = 35 Imperial gallons.

Table 4 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, 1944-1948

Year	Number of refin- eries	Average number of em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross sell- ing value of products at works
			\$	\$	\$	\$
1944	32	6,699	14,121,064	8,997,491	152,687,371	209,125,332
1945	30	6,670	13,679,972	9,100,033	150,185,119	200,233,529
1946	30	7,048	14,657,496	10,153,100	154,714,683	221,702,376
1947	32	7,686	17,739,785	12,654,136	216,037,106	286,573,707
1948	33	8,245	21,522,698	17,605,205	308,604,948	387,169,018

Table 5 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY BY PROVINCES, 1947 and 1948

Province	Number of refin- eries	Average number of em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross sell- ing value of products at works
			\$	\$	\$	\$
1 9 4 7						
Quebec	4	1,708	3,959,613	3,414,725	58,226,286	78,267,615
Ontario	6	3,394	7,941,086	5,640,903	76,091,300	110,208,347
Manitoba	3	208	342,076	136,318	4,812,844	5,979,102
Saskatchewan	7	598	1,330,639	942,072	23,768,985	25,191,964
Alberta	6	657	1,450,433	656,740	22,306,013	26,458,551
British Columbia ..	3	501	1,225,090	816,391	15,560,724	20,524,108
Other provinces (x)	3	620	1,490,848	1,046,987	15,270,954	19,944,020
CANADA	32	7,686	17,739,785	12,654,136	216,037,106	286,573,707

Table 5 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY BY PROVINCES, 1947 and 1948 (concluded)

Province	Number of refin- eries	Average number of em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross sell- ing value of products at works
			\$	\$	\$	\$
1948						
Quebec	4	1,858	4,977,046	5,417,719	96,324,020	120,882,770
Ontario	6	3,684	9,582,022	7,449,214	101,209,663	133,818,157
Manitoba	3	180	299,255	159,664	6,561,593	7,191,271
Saskatchewan	7	577	1,431,049	1,285,111	31,604,125	34,387,934
Alberta	7	778	2,043,901	770,287	30,990,504	35,390,373
British Columbia ..	3	556	1,489,680	1,144,597	21,824,953	30,622,177
Other provinces (x)	3	612	1,699,745	1,378,613	20,090,090	24,876,336
CANADA	33	8,245	21,522,698	17,605,205	308,604,948	387,169,018

(x) Includes one refinery in each of Nova Scotia, New Brunswick and the Northwest Territories.

Table 6 - PRODUCTS MADE IN PETROLEUM REFINERIES, 1947 and 1948

Product	Unit of measure	1947		1948	
		Quantity	Gross sell- ing value at works	Quantity	Gross sell- ing value at works
			\$		\$
Made for sale -					
Gasoline (excluding imported casinghead blended) -					
Aviation gasoline	Imp.gal.	9,127,797	1,913,678	14,431,816	3,377,142
Motor gasoline	Imp.gal.	1,064,940,840	141,362,727	1,204,400,950	189,316,256
Naphtha specialties	Imp.gal.	27,063,362	4,173,978	27,471,035	4,891,542
Tractor fuel	Imp.gal.	35,400,048	4,451,427	43,955,237	6,706,268
Kerosene	Imp.gal.	32,410,457	4,440,645	32,312,373	5,559,283
Stove oil (No.1 fuel oil)	Imp.gal.	62,125,100	5,810,542	95,188,301	12,249,508
Diesel fuel	Imp.gal.	181,706,744	14,363,882	193,434,096	19,093,562
Light fuel oils (Nos. 2 and 3) .	Imp.gal.	255,440,748	21,682,213	187,822,196	21,487,194
Heavy fuel oils (Nos. 4, 5 and 6)	Imp.gal.	545,286,306	38,165,884	688,177,459	58,285,131
Lubricating oil	Imp.gal.	60,450,332	16,739,245	59,569,514	19,392,317
Lubricating grease	pound	30,286,448	1,473,158	25,862,484	1,707,633
Asphalt	Imp.gal.	127,483,319	13,381,407	139,094,598	17,690,590
Petroleum coke	ton	77,036	591,140	79,213	1,018,475
Liquefied petroleum gases .....	...	...	308,493	...	669,113
Other products (1) .....	...	...	6,088,293	...	9,525,575
TOTAL - Made for Sale .....	...	...	274,946,712	...	370,969,589
Made for own use -					
Motor gasoline	Imp.gal.	481,228	65,977	458,577	69,298
Naphtha specialties	Imp.gal.	55,935	8,050	43,013	7,953
Kerosene	Imp.gal.	39,378	5,781	56,462	9,617
Stove oil (No. 1 fuel oil)	Imp.gal.	3,206	298	14,510	1,837
Diesel fuel	Imp.gal.	527,730	41,505	460,507	52,780
Light fuel oils (Nos. 2 and 3) .	Imp.gal.	136,006	10,361	140,987	14,083
Heavy fuel oils (Nos. 4, 5 and 6)	Imp.gal.	115,152,876	6,962,660	122,777,072	9,329,980
Lubricating oil	Imp.gal.	72,991	19,093	75,923	22,505
Asphalt	Imp.gal.	143,776	16,683	166,370	21,986
Petroleum coke	ton	1,089	7,075	8,225	83,357
Still gas	M cu.ft.	10,131,187	4,149,131	10,613,805	6,172,065
Other products .....	...	...	340,381	...	413,968
TOTAL - Made for own use .....	...	...	11,626,995	...	16,199,429
GRAND TOTAL .....	...	...	286,573,707	...	387,169,018

(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, 1947 and 1948

Material	Unit of measure	1 9 4 7		1 9 4 8	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Crude oil (under 60° A. P. I.) in its natural state, from Canadian wells	Imp.gal.	247,885,202	20,824,385	405,720,981	40,748,721
Absorption gasoline, etc., from Canadian wells (run to stills)	Imp.gal.	11,982,565	805,368	12,237,715	1,211,132
Crude oil, in its natural state, imported, (run to stills) -					
From United States	Imp.gal.	1,360,708,646	108,755,038	1,165,426,704	114,686,493
From South America	Imp.gal.	1,039,918,501	71,093,847	1,104,767,684	97,952,550
From Other Countries	Imp.gal.	33,794,075	2,549,022	368,188,558	34,952,094
Crude oil, not in its natural state (run to stills)	Imp.gal.	11,350,703	1,049,633	2,826,019	203,681
Benzol for blending	Imp.gal.	909,155	140,949	585,090	115,333
Phenol	pound	864,485	111,564	830,291	103,699
Sulphuric acid, 100%	pound	38,803,888	404,984	39,210,080	466,827
Sulphur	pound	253,998	6,175	335,986	14,383
Caustic soda	pound	8,598,909	260,635	9,932,820	332,274
Soda ash	pound	573,247	14,358	699,170	15,252
Litharge	pound	298,760	34,157	335,166	60,665
Fuller's earth, bentonite and other clays	pound	26,492,000	579,819	29,522,000	666,079
Compounding materials .....	...	...	469,725	...	437,771
Tetraethyl fluid	c.c.	3,075,253,494	4,391,464	3,182,047,096	5,334,261
Dyes for gasoline .....	...	...	42,300	...	44,769
Inhibitor .....	...	...	176,673	...	173,801
Blending stocks for aviation gas	Imp.gal.	5,078,016	994,677	6,754,917	1,706,041
Other materials .....	...	...	1,962,481	...	8,062,400
Shipping containers .....	...	...	1,369,852	...	1,316,722
TOTAL .....	...	...	216,037,106	...	308,604,948

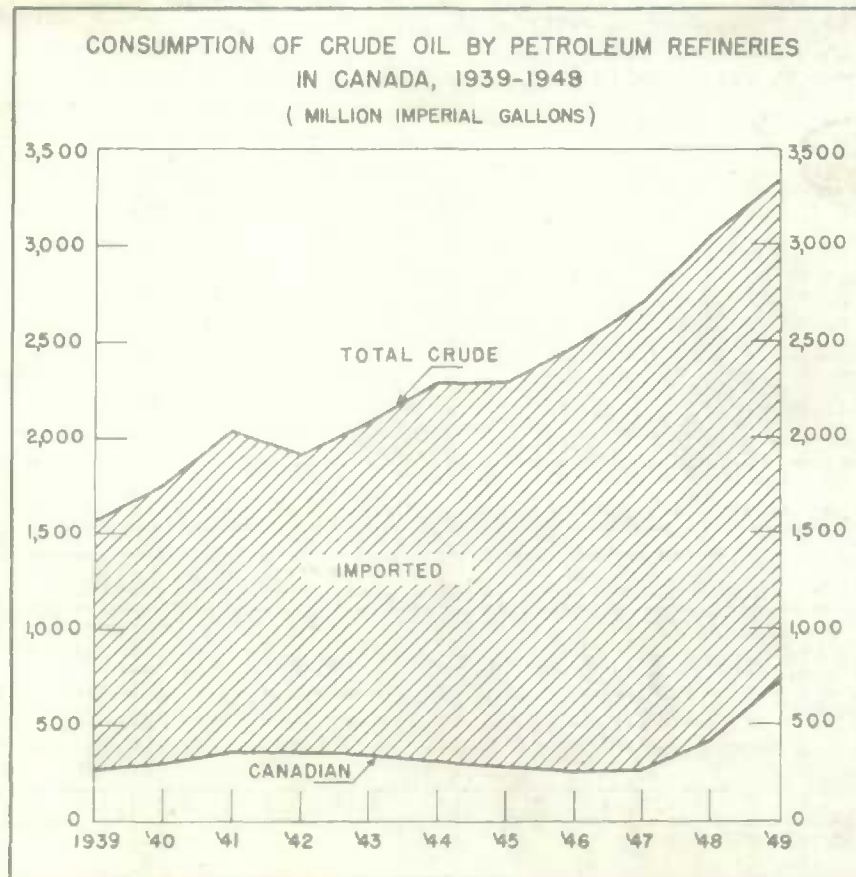


Table 8 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES SHOWING CANADIAN AND IMPORTED, SEPARATELY 1939 - 1948

Year	Canadian (a)	Imported (b) (Imperial gallons)	TOTAL
1939	262,198,884	1,307,704,411	1,569,903,295
1940	302,235,830	1,443,258,451	1,745,494,281
1941	352,839,574	1,681,058,493	2,033,898,067
1942	359,535,738	1,551,617,151	1,911,152,889
1943	337,070,674	1,746,982,235	2,084,052,909
1944	300,536,071	1,982,671,799	2,283,207,870
1945	274,831,125	2,031,784,863	2,306,615,988
1946	250,566,210	2,227,789,282	2,478,355,492
1947	259,867,767	2,445,771,925	2,705,639,692
1948	417,958,696	2,641,208,965	3,059,167,661

(a) Includes the crude naphtha and absorption gasoline from the Turner Valley field which was run to refinery stills.

(b) Includes reduced crude.

Table 9 - CASINGHEAD GASOLINE IMPORTED AND USED FOR BLENDING AT THE REFINERIES, 1948 (These items not included in previous tables)

Imported natural casinghead gasoline received at the refinery during the year	Imp.gal.	50,152,301
	\$	7,788,765
Imported natural casinghead gasoline used for blending during the year	Imp.gal.	45,565,922
Total stocks of imported natural casinghead gasoline at the end of the year .	Imp.gal.	13,512,657

Table 10 - STOCKS ON HAND AT THE REFINERIES AT THE END OF 1948

	Stocks on hand at refineries on December 31, 1948	Increase or decrease over December 31, 1947
(Imperial gallons)		
Crude oil and naphtha, in its natural state, from		
Canadian wells	15,755,303	+ 6,793,104
Absorption gasoline, etc., from Canadian wells ..	18,907,330	+18,396,777
Crude oil, imported - In its natural state	174,634,985	+55,168,632
Not in its natural state ..	3,452,907	+ 3,077,402
Total Crude	212,750,525	+83,435,915
Naphtha specialties	4,783,018	+ 692,258
Aviation gasoline	7,009,143)	+ 3,243,980
Motor gasoline	91,523,539)	
Tractor fuel	12,468,684	+ 8,805,561
Kerosene	12,442,246	-5,547,274
Stove oil (No. 1 fuel oil)	38,316,716	-3,346,990
Diesel fuel	30,656,448	+12,116,369
Light fuel oils (Nos. 2 and 3)	83,128,181	+22,980,152
Heavy fuel oils (Nos. 4, 5 and 6)	85,739,480	+ 6,201,250
Lubricating oils	8,353,808	-2,556,767
Total Refined	374,421,263	+42,588,539

Table 11 - PRODUCTION AND PRODUCERS' SALES OF CRUDE PETROLEUM, BY PROVINCES, 1947 and 1948

Province	1 9 4 7			1 9 4 8		
	Production (barrels)	Sales (barrels)	Value of sales \$	Production (barrels)	Sales (barrels)	Value of sales \$
New Brunswick	23,129	23,129	32,381	21,372	21,372	29,920
Ontario	131,295	131,295	350,000	176,989	176,989	608,109
Saskatchewan	540,117	540,117	614,156	849,166	849,166	976,541
Alberta (x)	6,809,284	6,770,477	18,078,907	10,973,583	10,888,592	35,127,751
Northwest Territories.	231,844	227,474	500,238	349,763	350,541	676,574
CANADA	7,735,669	7,692,492	19,575,682	12,370,873	12,286,660	37,418,895

(x) Includes natural gasoline.

Table 12 - WORLD CRUDE OIL PRODUCTION, 1939 and 1947-1949

	1939	1947	1948	1949
	(Thousands of barrels daily)			
North America				
United States	3,465.7	5,085.2	5,508.9	5,040.0
Canada	19.1	21.2	33.8	59.0
Mexico	162.0	159.0	159.0	164.0
North America	3,646.8	5,265.4	5,701.7	5,263.0
South America				
Venezuela	567.0	1,208.0	1,339.0	1,325.0
Colombia	65.5	70.4	65.1	82.0
Argentina	51.0	60.5	63.8	63.5
Trinidad	52.8	56.1	54.9	56.0
Peru	37.1	34.8	37.5	40.0
Ecuador	6.3	6.5	7.4	7.2
Bolivia	0.6	1.0	1.3	1.9
Cuba	0.3	0.6	0.3	0.3
Brazil .....	...	0.2	0.3	0.3
South America and Caribbean	780.6	1,438.1	1,569.6	1,576.2
Western Hemisphere	4,427.4	6,703.5	7,271.3	6,839.2
Europe				
Romania	128.5	78.5	79.5	85.0
Austria	11.7	16.9	15.0	18.0
Germany	12.3	11.6	12.3	16.0
Hungary	3.0	12.0	10.0	10.2
Poland	10.7	2.6	2.7	2.7
Netherlands .....	...	4.0	9.3	11.6
Albania	2.5	1.5	1.0	2.5
France	1.4	1.0	1.1	1.0
French Morocco .....	...	...	0.3	0.4
United Kingdom	0.1	1.0	0.9	0.9
Czechoslovakia	0.2	0.6	0.4	0.8
Yugoslavia .....	...	1.0	1.1	1.1
Italy	0.2	0.2	0.2	0.2
Europe, except U.S.S.R.	170.6	130.9	133.8	150.4
U.S.S.R.	603.0	541.0	611.0	690.0
Europe	773.6	671.9	744.8	840.4
Near and Middle East				
Iran	214.0	424.0	523.0	556.0
Saudi Arabia	10.8	246.0	390.3	477.0
Iraq	84.5	98.0	72.5	85.0
Kuwait .....	...	44.6	127.2	242.0
Bahrein	20.8	26.0	30.0	30.0
Egypt	12.8	25.6	36.8	45.0
Near and Middle East	342.9	864.2	1,179.8	1,435.0
Far East and Oceania				
Indonesia	170.0	22.2	87.3	131.3
British Borneo	20.0	35.6	54.0	68.0
New Guinea .....	...	...	...	4.7
India .....	...	...	...	4.6
Pakistan	28.0	8.0	7.1	1.7
Burma .....	...	...	...	1.0
Japan	7.3	3.5	3.1	3.7
China .....	...	1.0	1.8	2.0
Far East	225.3	70.3	153.3	217.0
Eastern Hemisphere	1,341.8	1,606.4	2,077.9	2,492.4
World Total	5,769.2	8,309.9	9,353.2	9,331.6

Source: Data for Tables 12 and 13 were extracted from "World Petroleum", January, 1950.

Note: 1 barrel = 35 Imperial gallons.

Table 13 - CRUDE OIL PRODUCTION BY PRINCIPAL NATIONS AND HEMISPHERES, 1939 and 1947-1949

	1939	1947	1948	1949
	%	%	%	%
<u>Principal Nations</u>				
United States	60.0	62.0	59.0	55.5
Venezuela	9.8	14.2	14.4	14.2
U.S.S.R.	10.5	6.2	6.7	7.4
Iran	3.7	5.1	5.6	6.0
Saudi Arabia	0.2	3.0	4.2	5.1
Kuwait .....	...	0.5	1.4	2.6
<u>Western Hemisphere</u>				
Western Hemisphere	76.7	81.0	77.8	73.3
North America	63.2	64.0	61.0	56.5
South America	13.5	17.0	16.8	16.8
<u>Eastern Hemisphere</u>				
Eastern Hemisphere	23.3	19.0	22.2	26.7
Middle East	6.0	10.3	12.6	15.4
Oceania & Far East	4.1	1.0	1.8	2.3
Europe (including U.S.S.R)	13.2	7.7	7.8	9.0

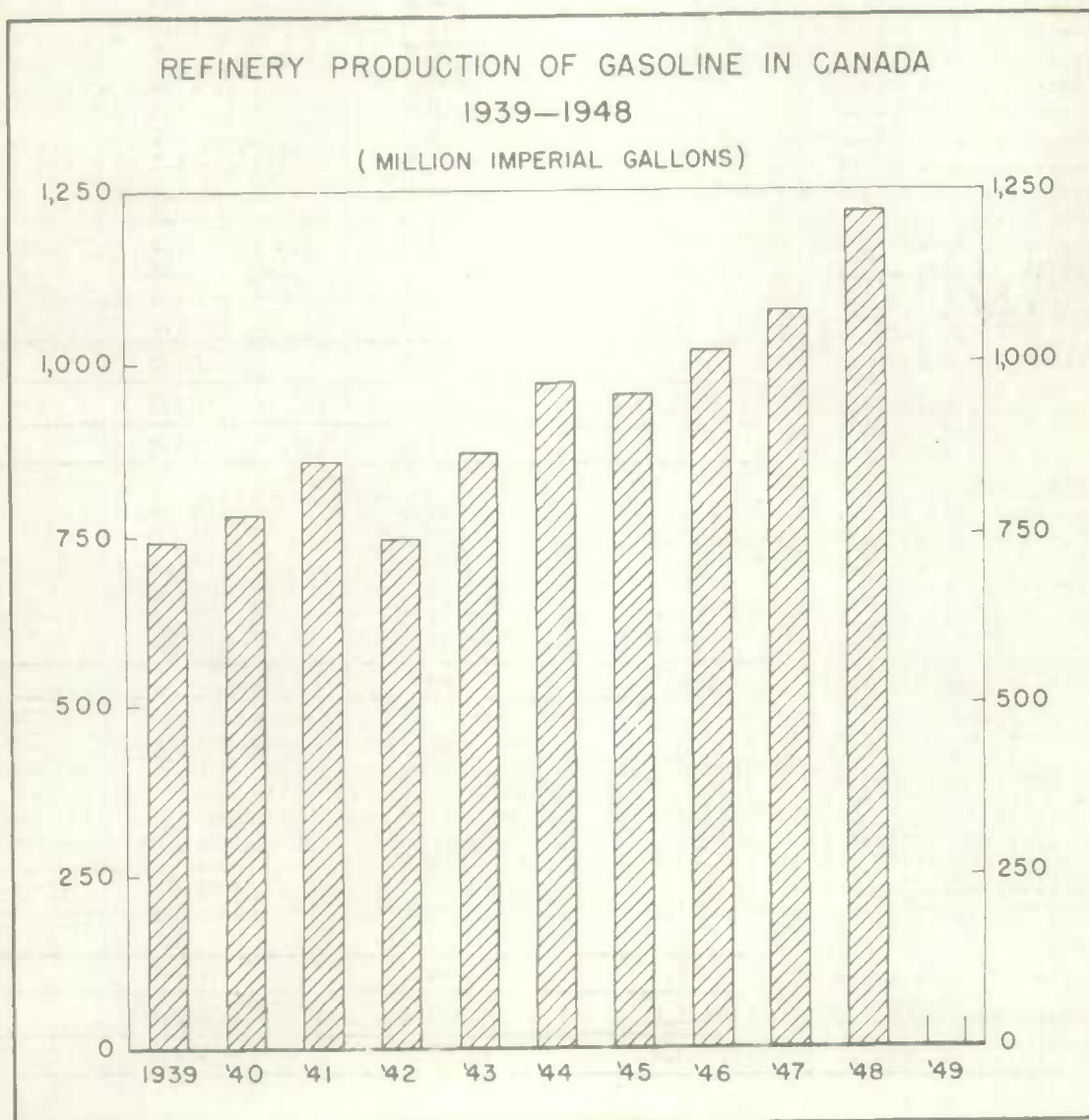


Table 14 - REFINERY PRODUCTION (I) OF GASOLINE, 1939-1948

Year	Motor Gasoline	Aviation Gasoline	TOTAL
	Imp.gal.	Imp.gal.	Imp.gal.
1939	Breakdown not available		740,563,619
1940	761,774,399	18,208,707	779,983,106
1941	802,056,916	54,791,743	856,848,659
1942	658,240,211	90,815,278	749,055,489
1943	748,780,879	120,507,358	869,288,237
1944	863,677,723	107,263,449	970,941,172
1945	933,842,039	19,174,916	953,016,955
1946	1,009,624,507	7,996,196	1,017,620,703
1947	1,065,422,068	9,127,797	1,074,549,865
1948	1,204,859,527	14,431,816	1,219,291,343

(I) Includes production made for own use.

Table 15 - GROSS SALES OF GASOLINE, BY PROVINCES, 1945-1948 (Gross Sales = sold for all purposes; net sales = sold for use in automobiles as computed from Gasoline Tax returns)

Province	1945	1946	1947	1948
	(Thousands of Imperial Gallons)			
Prince Edward Island	4,716	5,945	6,963	7,288
Nova Scotia	37,727	44,572	51,648	53,137
New Brunswick	29,175	43,320	49,936	54,186
Quebec	168,304	218,009	247,468	280,858
Ontario	323,815	451,252	501,433	562,530
Manitoba	56,119	72,403	83,146	90,602
Saskatchewan	118,464	136,066	142,368	147,446
Alberta	102,754	143,650	171,113	190,608
British Columbia	74,622	97,383	117,497	130,909
TOTAL GROSS SALES	915,696	1,212,600	1,371,572	1,517,563
REFUNDS	253,079	213,315	250,218	286,828
TOTAL NET SALES	662,617	999,285	1,121,354	1,230,735

Table 16 - GROSS SALES OF GASOLINE, BY MONTHS, 1945 - 1948

Month	1945	1946	1947	1948
	(Thousands of Imperial Gallons)			
January	45,708	63,072	70,380	81,527
February	40,146	55,974	63,445	72,698
March	58,249	76,603	72,747	86,654
April	59,657	88,765	87,716	97,752
May	87,190	121,552	141,300	139,452
June	89,768	112,328	136,463	163,198
July	92,985	132,912	150,727	160,920
August	103,927	137,130	148,269	170,572
September	92,860	125,834	146,208	165,709
October	98,917	120,516	146,519	147,727
November	80,258	97,662	110,980	126,020
December	66,031	80,252	96,818	105,334
TOTAL	915,696	1,212,600	1,371,572	1,517,564

Table 17 - GROSS SALES OF GASOLINE, BY MONTHS AND BY PROVINCES, 1948 AND TOTALS FOR 1947

Month	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
(Thousands of Imperial gallons)					
January	195	2,701	3,166	15,496	33,335
February	167	2,603	2,631	14,732	32,044
March	210	3,181	3,140	16,286	37,784
April	316	3,491	3,260	19,715	44,758
May	790	4,707	4,757	21,487	48,455
June	868	5,256	5,530	28,192	52,900
July	864	5,787	6,001	30,897	57,732
August	921	5,962	6,118	30,897	58,677
September	874	5,468	5,748	29,302	55,600
October	797	4,920	5,335	27,519	50,664
November	725	4,743	4,697	24,995	47,128
December	562	4,319	3,802	21,339	43,455
TOTALS FOR 1948 .	7,288	53,137	54,186	280,858	562,530
TOTALS FOR 1947 .	6,963	51,648	49,936	247,468	501,433
	Manitoba	Saskat- chewan	Alberta	British Columbia	T O T A L
January	3,650	3,777	10,030	9,177	81,527
February	3,116	1,992	7,898	7,516	72,698
March	3,580	2,532	10,361	9,581	86,654
April	4,543	3,394	8,257	10,017	97,752
May	9,961	21,628	17,115	10,553	139,452
June	11,228	22,553	24,885	11,785	163,198
July	9,973	16,887	19,318	13,462	160,920
August	11,338	21,291	21,892	13,475	170,572
September	11,018	22,188	22,654	12,857	165,709
October	10,160	15,581	20,962	11,787	147,727
November	7,115	10,215	15,472	10,932	126,020
December	4,920	5,406	11,764	9,767	105,334
TOTALS FOR 1948 .	90,602	147,446	190,608	130,909	1,517,564
TOTALS FOR 1947 .	83,146	142,368	171,113	117,497	1,371,572

Table 18 - NET SALES (FOR USE IN AUTOMOBILES) OF GASOLINE, BY PROVINCES, 1945-1948

Province	1 9 4 5	1 9 4 6	1 9 4 7	1 9 4 8
(Thousands of Imperial gallons)				
Prince Edward Island	3,576	4,738	5,280	5,600
Nova Scotia	27,190	36,056	49,340	51,764
New Brunswick	22,943	36,512	42,400	46,841
Quebec	143,268	200,805	227,276	257,632
Ontario	262,634	399,327	427,726	469,684
Manitoba	39,039	48,664	56,537	53,901
Saskatchewan	53,752	63,280	62,109	64,842
Alberta	56,723	132,582	163,941	182,532
British Columbia	53,492	77,321	86,745	97,940
CANADA	662,617	999,285	1,121,354	1,230,735

Table 19 - FEDERAL AND PROVINCIAL GOVERNMENT RECEIPTS FROM GASOLINE TAXES, BY PROVINCES, 1945-1948

Province	1 9 4 5	1 9 4 6	1 9 4 7	1 9 4 8
	\$	\$	\$	\$
Prince Edward Island	364,663	465,648	698,303	783,913
Nova Scotia	2,906,639	3,498,181	5,179,783	5,869,246
New Brunswick	2,101,072	2,832,391	4,200,080	5,191,864
Quebec	12,949,099	16,468,731	25,568,671	29,590,885
Ontario	26,608,291	31,260,377	47,420,015	52,566,951
Manitoba	2,681,556	3,320,949	4,592,510	4,890,086
Saskatchewan	4,390,333	4,724,071	6,399,303	6,641,867
Alberta	4,463,196	5,403,921	7,657,915	8,577,567
British Columbia	4,330,543	5,682,094	9,295,743	10,146,654
Yukon	17,268	26,842	50,497	71,954
TOTAL PROVINCIAL RECEIPTS	60,812,660(x)	73,683,205	111,062,820	124,330,987
Add Federal Government Receipts				
Less Subsidies	26,854,135	34,889,990	(/) 8,605,249	...
TOTAL GASOLINE TAXES	87,666,795	108,573,195	119,668,069	124,330,987

(x) Includes Federal Government subsidies in guarantee of revenues because of gasoline rationing.

(/) January to March, 1947.

Table 20 - REVENUES FROM MOTOR VEHICLE REGISTRATIONS AND GASOLINE TAXES, 1939-1948

Year	From	From	Year	From	From
	motor vehicle registrations	gasoline taxes		motor vehicle registrations	gasoline taxes
	\$	\$		\$	\$
1939	27,961,132	51,954,360	1944	30,584,711	77,192,353(x)
1940	29,300,720	56,179,173	1945	32,166,464	87,666,795(x)
1941	31,559,944	77,024,754(x)	1946	39,787,935	108,573,195(x)
1942	28,498,676	72,349,746(x)	1947	46,004,131	119,668,069(x)
1943	30,292,019	70,355,731(x)	1948	51,287,732	124,330,987

(x) 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.

Note: Subsidies discontinued in 1946.

Federal Government gasoline tax cancelled March 31, 1947.

Table 21 - REGISTRATIONS OF MOTOR VEHICLES, BY PROVINCES, 1945-1948

Province	1 9 4 5	1 9 4 6	1 9 4 7	1 9 4 8
	(Number)			
Prince Edward Island	8,835	9,192	9,948	11,290
Nova Scotia	56,699	62,660	70,300	76,319
New Brunswick	41,577	44,654	51,589	62,366
Quebec	228,681	255,172	296,547	335,953
Ontario	662,719	711,106	800,058	874,933
Manitoba	92,758	101,090	112,149	128,000
Saskatchewan	140,257	148,206	158,512	167,515
Alberta	130,153	138,868	155,386	173,950
British Columbia	134,788	150,234	179,684	202,126
Yukon	614	1,281	1,786	2,491
CANADA	1,497,081	1,622,463	1,835,959	2,034,943

Table 22 - REGISTRATIONS OF MOTOR VEHICLES, BY TYPES, 1948

Province	Passenger cars	Motor trucks	Motor buses	Motor cycles	Other motor vehicles	TOTAL
Prince Edward Island	8,297	2,588	27	48	330	11,290
Nova Scotia	50,198	22,656	520	1,016	1,929	76,319
New Brunswick	40,795	16,984	399	1,131	3,057	62,366
Quebec	237,942	83,954	2,616	11,441	(x)	335,953
Ontario	698,384	165,337	(x)	11,212	(x)	874,933
Manitoba	91,860	32,374	178	1,542	2,046	128,000
Saskatchewan	109,718	56,285	126	1,179	207	167,515
Alberta	115,350	53,097	392	1,814	3,297	173,950
British Columbia	143,675	52,986	(x)	4,536	929	202,126
Yukon	565	1,652	28	20	226	2,491
CANADA	1,496,784	487,913	4,286	33,939	12,021	2,034,943

(x) Included with trucks.

Table 23 - PETROLEUM COKE: DELIVERIES FOR CONSUMPTION, 1947 and 1948 (Used as fuel only - not as manufacturing materials)

Fuel for Domestic and Industrial heating	1947	1948
	(Tons)	
New Brunswick and Prince Edward Island	412	54
Nova Scotia	1,371	383
Quebec	23,500	71,962
Ontario	3,662	...
Manitoba	1,786	...
Saskatchewan .....	...	...
Alberta and Northwest Territories	97	...
British Columbia and Yukon .....	...	...
TOTAL	30,828	72,399

Table 24 - FUEL OIL AND DISTILLATE DELIVERIES: DELIVERIES FOR CONSUMPTION, BY PROVINCES, 1948 and TOTALS FOR 1944-1948
(As reported by Distributors and Refiners - Imperial gallons - Calendar Years)

Area	Domestic and building heating	Industrial	Tractor and other motor vehicles	Railways	Bunkering including distributors' tankers	Unspecified uses(x)	TOTAL DELIVERIES	Inventory on December 31, at refinery warehouses and consumers' storage
(Thousands of Imperial gallons)								
<u>1948</u>								
(a) Heavy and medium fuel oils (Nos. 5 and 6), heavy and light furnace oils Nos. 2 and 3) and Diesel fuel -								
New Brunswick, Prince Edward Island and Nova Scotia	27,487	30,432	2,281	5,036	87,298	2,441	154,975	34,533
Quebec	129,853	151,818	5,736	6,894	91,302	9,034	394,637	142,748
Ontario	157,318	255,205	11,220	7,104	19,330	8,476	458,653	187,337
Manitoba	4,698	9,966	3,551	1,915	...	6,959	27,089	3,767
Saskatchewan	13,283	50,714	5,742	5,980	...	123	75,842	12,948
Alberta and Northwest Territories	3,902	28,518	5,545	61,649	3,041	3,118	105,773	18,457
British Columbia and Yukon	47,719	122,199	3,798	28,147	66,748	7,347	275,957	40,049
TOTAL (a) 1948	384,260	648,852	37,872	116,724	267,720	37,498	1,492,925	439,840
(b) Stove oil (no.1), tractor fuel, kerosene and illuminating oil -								
New Brunswick, Prince Edward Island and Nova Scotia	30,561	87	...	166	...	59	30,873	10,185
Quebec	91,890	1,997	106	168	...	152	94,314	47,675
Ontario	40,241	1,467	1,990	490	...	...	44,188	21,220
Manitoba	2,627	184	14,780	226	...	43	17,860	2,058
Saskatchewan	3,125	99	17,138	4	...	16	20,382	4,566
Alberta and Northwest Territories	5,244	224	9,576	166	...	14	15,224	3,865
British Columbia and Yukon	36,415	231	2,631	58	...	62	39,397	7,470
TOTAL (b) 1948	210,104	4,288	46,221	1,277	...	348	262,238	97,040
TOTAL ALL FUELS, 1948	594,364	653,140	84,093	118,001	267,720	37,846	1,755,163	536,880
1947	569,570	613,073	109,357	100,956	264,218	...	1,657,174	429,276
1946	348,943	518,962	88,966	91,730	226,476	...	1,275,077	297,655
1945	164,944	348,722	69,223	77,640	301,541	...	962,070	266,060
1944	124,161	340,747	69,824	61,454	305,704	27	901,917	280,311

(x) Some companies reported their total sales of diesel fuel under this heading as they could not supply the required breakdown by uses from their present records. Nearly all of the gallonages reported for this item consist of such undistributed totals.

Note: 1. Because of a change in classification the detailed figures for fuel oils for previous years are not exactly comparable with those for 1948.

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. Amounts recorded for industrial gallonage prior to 1946 exclude fuel oil consumed under refinery boilers and fuel oil used as a material in manufacturing but from 1946 on, figures include fuel oil used for both purposes.

(b) MANUFACTURE OF LUBRICATING OILS AND GREASES (OTHER THAN IN REFINERIES) 1948

Eleven Canadian factories were occupied chiefly in compounding lubricating oils and greases in Canada during 1948. Eight of these plants were located in Ontario, 2 in Quebec and 1 in British Columbia.

They gave work to a monthly average of 250 people who were paid \$539,261 as salaries and wages. Purchases of processing materials and containers cost \$5,544,416 and the selling value of products totalled \$7,765,182. Included in the year's output were lubricating oils at \$6,175,403, lubricating greases at \$1,471,170 and soaps or soap powders at \$28,614.

Total Canadian output of lubricating oils, including production from the refineries amounted to 65,820,840 gallons in 1948 against 62,799,335 gallons in 1947. Corresponding figures for lubricating greases totalled 27,363,299 pounds in 1948 and 31,101,230 pounds in 1947. Sales of lubricating oils as reported by principal dealers amounted to 63,353,000 gallons in 1948 while sales of lubricating greases totalled 60,215,000 pounds.

Table 25 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, 1944-1948

Year	Number of plants	Average 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
			\$	\$	\$	\$
1944	16	110	196,875	5,076	871,293	1,422,084
1945	16	105	211,338	6,356	968,310	1,450,150
1946	13	97	191,645	5,925	1,104,061	1,723,004
1947	14	74	138,035	4,427	1,478,965	1,926,579
1948	11	250	539,261	42,433	5,544,416	7,765,182

Table 26 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, BY PROVINCES, 1947 and 1948

Province	Number of plants	Average 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
			\$	\$	\$	\$
<u>1947</u>						
Ontario	9	60	112,396	2,869	1,309,548	1,647,998
Quebec	2)					
Alberta	1)	14	25,639	1,558	169,417	278,581
British Columbia .	2)					
CANADA	14	74	138,035	4,427	1,478,965	1,926,579
<u>1948</u>						
Ontario	8	239	515,010	41,361	5,312,530	7,432,668
Quebec	2)	11	24,251	1,072	231,886	332,514
British Columbia .	1)					
CANADA	11	250	539,261	42,433	5,544,416	7,765,182

Table 27 - PRODUCTS MADE IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1947 and 1948

Product	Unit of measure	1947		1948	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
			\$		\$
Greases, lubricating	pound	791,710	116,021	10,886,076	1,471,170
Oils, lubricating	gallon	2,276,012	1,706,721	7,874,467	6,175,403
Soaps and powders .....	...	...	31,899	...	28,614
All other products .....	...	...	71,938	...	89,995
TOTAL .....	...	...	1,926,579	...	7,765,182

Table 28 - MATERIALS USED IN LUBRICATING OILS AND GREASES INDUSTRY, 1947 and 1948

Material	Unit of measure	1947		1948	
		Quantity	Cost at works	Quantity	Cost at works
Compounding stocks (oils, etc.)	Imp.gal.	1,914,614	982,913	9,417,892	3,886,239
Tallow and grease	lb.	16,478	2,775	80,964	12,486
All other materials .....	...	...	212,151	...	595,233
Shipping containers .....	...	...	281,126	...	1,050,458
TOTAL .....	...	...	1,478,965	...	5,544,416

Table 29 - SALES OF LUBRICATING OILS, 1947 and 1948 (As reported by principal dealers)

	Motor transport and tractor crankcase oil	Aircraft crankcase oils	Other oils (industrial, etc.)	TOTAL ALL PURPOSES
	(Imperial gallons)			
1947				
Prince Edward Island				
Nova Scotia	3,062,065	44,203	1,509,683	4,615,951
New Brunswick				
Quebec	6,748,981	132,162	4,534,420	11,415,563
Ontario	13,803,179	114,289	12,559,173	26,476,641
Manitoba	2,591,672	66,544	1,138,144	3,796,360
Saskatchewan	4,523,679	14,148	313,991	4,851,818
Alberta	4,844,070	66,541	702,134	5,612,745
British Columbia (including Yukon)	3,563,460	46,366	2,163,017	5,772,843
TOTAL - CANADA	39,137,106	484,253	22,920,562	62,541,921
1948				
Prince Edward Island				
Nova Scotia	3,050,000	41,000	1,559,000	4,650,000
New Brunswick				
Quebec	6,637,000	169,000	5,346,000	12,152,000
Ontario	13,036,000	143,000	14,591,000	27,770,000
Manitoba	2,260,000	71,000	1,297,000	3,628,000
Saskatchewan	3,973,000	14,000	179,000	4,166,000
Alberta	4,519,000	104,000	684,000	5,307,000
British Columbia (including Yukon)	3,637,000	65,000	1,978,000	5,680,000
TOTAL - CANADA	37,112,000	607,000	25,634,000	63,353,000

Table 30 - SALES OF LUBRICATING GREASES, 1948 (As reported by principal dealers)

	Automotive	Industrial	TOTAL
	(pounds)		
Prince Edward Island, Nova Scotia and New Brunswick	2,581,000	1,290,000	3,871,000
Quebec	6,093,000	4,784,000	10,877,000
Ontario	13,191,000	7,840,000	21,031,000
Manitoba	3,472,000	2,018,000	5,490,000
Saskatchewan	7,908,000	501,000	8,409,000
Alberta	5,800,000	1,226,000	7,026,000
British Columbia	2,213,000	1,298,000	3,511,000
TOTAL - CANADA	41,258,000	18,957,000	60,215,000

Table 31 - IMPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1947 and 1948

Item	1947		1948		
	Quantity	Value	Quantity	Value	
Asphaltum or asphalt, solid or not	cwt.	218,012	629,388	211,520	595,576
Oil, imported by miners or mining companies, for the concentration of ores or metals ...	gal.	129,977	104,846	126,890	92,030
Crude petroleum for refining .8155 specific gravity (42.0 A.P.I.) or heavier at 60°Fah.	M gal.	2,395,283	127,459,111	2,643,758	191,803,368
Crude petroleum, n.o.p.	gal.	353,047	13,010	814,339	46,256
Fuel oil, ex-warehoused, for ships' stores .	gal.	11,170,800	510,031	12,504,179	756,688
Coal oil and kerosene lighter than .8236 specific gravity at 60°Fah., n.o.p.	gal.	147,427,903	12,448,086	76,868,321	8,791,014
Engine distillate .8017 specific gravity or heavier at 60°Fah.	gal.	2,320,534	220,375	1,064,885	150,136
Gasoline, lighter than .8236 specific gravity at 60°Fah.	gal.	173,396,817	20,537,953	274,983,729	40,514,758
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.	55,690,140	4,983,635	47,623,626	5,946,914
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	gal.	5,514,066	868,711	6,935,374	1,187,075
Lubricating oils, n.o.p.	gal.	8,135,796	3,931,026	9,240,999	4,444,874
Oils, mineral, n.o.p.	gal.	773,561	932,599	1,516,410	1,493,552
Imports of petroleum n.o.p., .8236 specific gravity (40.3 A.P.I.) or heavier at 60°Fah.	gal.	373,737,127	25,026,180	335,447,326	32,309,045
Petroleum greases and lubricating greases, n.o.p.	lb.	11,107,547	929,659	10,157,242	892,459
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes .....	...	...	624,382	...	555,720
Paraffin wax	lb.	40,514,083	3,405,007	43,580,756	3,464,046
Paraffin wax candles	lb.	211,456	48,583	11,786	2,749
Products of petroleum n.o.p., lighter than .8236 specific gravity at 60°Fah.	gal.	11,625,716	1,162,275	9,210,764	1,268,296
Liquefied petroleum gases .....	...	...	2,109,237	...	2,269,714
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.	22,054,391	1,249,703	72,607,104	5,021,638

Table 32 - EXPORTS OF PETROLEUM AND ITS PRODUCTS, 1947 and 1948

Item	1947		1948		
	Quantity	Value	Quantity	Value	
Petroleum, crude	gal.	8,470	699	23,948	2,684
Oil, coal and kerosene, refined	gal.	93,983	20,939	336,073	61,203
Gasoline and naphtha	gal.	7,106,603	899,710	8,772,438	1,236,288
Fuel oil	gal.	27,126,829	2,069,085	63,590,878	4,841,459
Lubricating oil	gal.	3,012,268	851,861	917,004	348,721
Oil, mineral, n.o.p.	gal.	401,333	78,385	751,888	128,045
Wax, mineral	cwt.	434,849	2,963,754	326,779	2,685,514

Table 33 - EMPLOYEES, SALARIES AND WAGES IN PETROLEUM REFINERIES, 1947 and 1948

Province	Average number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
<u>1947</u>								
Quebec	272	42	1,385	9	1,708	907,836	3,051,777	3,959,613
Ontario	540	114	2,704	36	3,394	1,997,222	5,943,864	7,941,086
Manitoba	34	13	151	10	208	98,765	243,311	342,076
Saskatchewan	94	20	482	2	598	315,482	1,015,157	1,330,639
Alberta	101	17	537	2	657	318,057	1,132,376	1,450,433
British Columbia ..	75	11	414	1	501	285,821	939,269	1,225,090
Other provinces ...	69	24	521	6	620	279,294	1,211,554	1,490,848
CANADA	1,185	241	6,194	66	7,686	4,202,477	13,537,308	17,739,785
<u>1948</u>								
Quebec	326	47	1,475	10	1,858	1,179,290	3,797,756	4,977,046
Ontario	641	138	2,858	47	3,684	2,495,028	7,086,994	9,582,022
Manitoba	33	14	127	6	180	67,379	231,876	299,255
Saskatchewan	96	15	462	4	577	339,946	1,091,103	1,431,049
Alberta	132	24	620	2	778	496,181	1,547,720	2,043,901
British Columbia ..	86	12	457	1	556	329,268	1,160,412	1,489,680
Other provinces ...	82	30	488	12	612	346,005	1,353,740	1,699,745
CANADA	1,396	280	6,487	82	8,245	5,253,097	16,269,601	21,522,698

Table 34 - EMPLOYEES, SALARIES AND WAGES IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1947 and 1948

Province	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
<u>1947</u>								
Ontario	20	9	27	4	60	63,503	48,893	112,396
Other provinces ...	3	3	8	...	14	13,093	12,546	25,639
CANADA	23	12	35	4	74	76,596	61,439	138,035
<u>1948</u>								
Ontario	58	13	166	2	239	161,681	353,329	515,010
Other provinces ...	2	2	7	...	11	11,116	13,135	24,251
CANADA	60	15	173	2	250	172,797	366,464	539,261

DIRECTORY OF OPERATING PETROLEUM REFINERIES, 1948

Name of Company	Location of refinery	Crude oil capacity Bbl. per 24 hours	Type of refinery	Cracking Plant	
				Type	Capacity Bbl. per 24 hours
<u>Nova Scotia -</u> Imperial Oil Limited	Imperoyal	25,000	S - C	Combination unit	9,900
<u>New Brunswick -</u> New Brunswick Oilfields Ltd.	Weldon	300	S	...	...
<u>Quebec -</u> British American Oil Co. Limited	Montreal East	15,500	S - C	Thermal	7,500
Imperial Oil Limited	Montreal	37,000	S - C	Tube and tank and Kellogg F.C.C.U.	17,500
McCull-Fontenac Oil Co. Limited	Montreal East	40,000	S - C	Thermal and Fluid Catalytic	22,000
Shell Oil Company of Canada Ltd.	Montreal East	14,500	S - C	Dubbs Selective	7,500

DIRECTORY OF OPERATING PETROLEUM REFINERIES, 1948 (Concluded)

Name of Company	Location of refinery	Crude oil capacity Bbl. per 24 hours	Type of refinery	Cracking Plant	
				Type	Capacity Bbl. per 24 hours
Ontario -					
British American Oil Co. Limited	Toronto	5,000	S	...	...
Canadian Oil Companies Limited	Petrolia	3,700	S - C	Dubbs	2,150
Imperial Oil Limited	Sarnia	52,000	S - C	Tube and tank	23,250
McCull-Fontenac Oil Co. Limited	Toronto	12,000	S - C	Combination unit and Jenkins Stills	6,500
British American Oil Co. Limited	Clarkson	10,000	S - C	Thermal	4,400
Trinidad Leaseholds (Canada) Limited	Port Credit	6,000	S - C	Dubbs	3,000
Manitoba -					
Anglo-Canadian Oils Ltd.	Brandon	2,000	S - C	Dubbs	1,000
North Star Oil Limited	St. Boniface	1,500	S - C	Dubbs	650
Radio Oil Refineries Ltd.	East Kildonan	1,000	S	...	...
Saskatchewan -					
British American Oil Co. Limited	Moose Jaw	5,000	S - C	Thermal	2,000
Saskatchewan Federated Cooperatives	Regina	2,000	S - C	Dubbs	1,000
Hi-Way Refineries Limited	Moose Jaw	300	S	...	...
Hi-Way Refineries Limited	Saskatoon	300	S	...	...
Hi-Way Refineries Limited	Rosetown	275	S	...	...
Imperial Oil Limited	Regina	18,000	S - C	Tube and tank; Naphtha Reforming unit	9,600
Northern Petroleum Corporation, Ltd.	Kamsack	600	S	...	...
Alberta -					
British American Oil Co. Limited	Calgary	5,500	S - C	Thermal	2,500
Gas and Oil Refineries Limited	Hartell	3,000	S - C	Dubbs	1,000
Gold Standard Oils Ltd.	Wainwright	250	S	...	...
Imperial Oil Limited	Calgary	12,000	S - C	Kellogg Combination Unit	4,000
Imperial Oil Limited	Edmonton	6,000	S	...	...
Excelsior Refineries Ltd.	Lloydminster	1,500	S	...	...
Husky Oil & Refining, Ltd.	Lloydminster	7,500	S	...	...
British Columbia -					
Imperial Oil Limited	Ioco	13,000	S - C	Tube and tank	2,750
Shell Oil Company of British Columbia Ltd.	Shellburn	5,300	S - C	U.O.P.	2,700
Standard Oil Company of British Columbia Ltd.	Burnaby	8,350	S	...	...
Northwest Territories -					
Imperial Oil Limited	Norman Wells	1,100	S	...	...

S - Skimming
C - Cracking

315,475'

DIRECTORY OF PLANTS ENGAGED IN THE COMPOUNDING OF LUBRICATING OILS AND GREASES, 1948

Name of Company	Location of Plant
Quebec -	
Chapman, L. L. and W. H.	Champlain St., Gatineau Point
Tidewater Oil Company of Canada, Ltd.	7500 St. Lawrence Blvd., Montreal
Ontario -	
Campbell Lubricating Specialties, Ltd.	414 Eastern Ave., Toronto
Hastings Ltd.	Colebrook
Hollingshead, R. M., Co. of Canada, Ltd.	Bowmanville
The Kearns Co. of Canada	226 Weston Road, Toronto
McCull-Fontenac Oil Co. Ltd.	Toronto
Miracle Products Co. Ltd.	194 John St. S., Hamilton
Ontario Lubricating Company Ltd.	120 Chatham St., Hamilton
Tidewater Oil Company of Canada, Ltd.	201 Weston Road South, Toronto
British Columbia -	
Renton Distributors Ltd.	280 East 6th Ave., Vancouver

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