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ANNUAL INDUSTRY REPORT

MANUFACTURES OF THE NON-METALLIC MINERALS GROUP

PETROLEUM PRODUCTS INDUSTRY, 1940

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-eight refineries and 11 blending plants, or a total of 49 works, reported under this category in 1940 and the aggregate value of production was \$122,212,800, an increase of 16.9 per cent over the 1939 total of \$104,578,517.

Output figures for 1940 included \$121,012,497 for petroleum refineries and \$1,200,303 for concerns engaged in blending oils and greases, against corresponding totals in 1939 of \$103,494,238 and \$1,084,279, 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, 1936 - 1940

Year	No. of plants	Capital employed	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>							
1936	50	61,307,820	4,935	7,193,148	3,927,521	66,219,418	85,172,981
1937	44	63,759,579	5,047	8,126,583	4,444,878	79,993,972	97,701,954
1938	47	62,097,038	4,586	7,750,746	4,678,933	75,993,557	96,121,611
1939	42	65,784,933	4,675	7,736,330	4,573,570	73,922,207	103,494,238
1940	38	75,983,928	5,060	8,616,296	5,746,186	94,302,839	121,012,497
<u>COMPOUNDING OILS AND GREASES</u>							
1936	13	576,106	84	116,807	5,313	336,737	629,382
1937	13	520,687	90	120,260	5,127	407,908	752,060
1938	12	523,870	89	122,294	4,284	425,959	881,736
1939	11	596,256	91	153,917	5,129	543,394	1,084,279
1940	11	597,815	96	192,214	5,309	557,632	1,200,303
<u>TOTAL</u>							
1936	63	61,833,926	5,019	7,309,955	3,932,634	66,555,885	85,802,363
1937	57	64,280,266	5,137	8,246,843	4,450,005	80,401,880	98,454,014
1938	59	62,620,908	4,675	7,873,040	4,683,217	76,419,516	97,003,347
1939	53	66,381,189	4,766	7,890,247	4,578,699	74,485,600	104,578,517
1940	49	76,531,743	5,156	8,808,537	5,751,495	94,860,521	122,212,800

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, 1939 and 1940

Province	No. of plants	Capital employed	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
		\$		\$	\$	\$	\$
1939							
Quebec	7	25,653,897	990	1,680,886	1,595,415	23,550,561	53,329,907
Ontario	12	19,111,045	2,051	3,408,743	1,523,567	23,266,811	32,087,996
Manitoba	5	1,231,709	134	151,271	54,572	1,453,756	1,884,391
Saskatchewan	11	4,659,959	452	655,759	467,015	6,669,751	10,074,461
Alberta	11	6,849,617	481	719,616	331,079	6,277,687	10,291,323
British Columbia	4	4,271,032	274	527,142	242,953	7,348,618	9,144,073
Nova Scotia	1)						
New Brunswick	1)	4,623,930	404	746,830	364,093	5,498,415	7,765,866
N. W. Territories ...	1)						
CANADA	53	66,381,189	4,766	7,890,247	4,578,699	74,465,600	104,578,517
1940							
Quebec	7	27,244,738	1,055	1,799,917	1,666,606	27,351,569	52,268,186
Ontario	12	25,275,249	2,260	3,926,007	2,079,843	31,746,825	41,583,057
Manitoba	4	1,849,832	140	149,392	61,003	1,627,882	2,317,954
Saskatchewan	10	5,015,539	488	738,770	572,050	6,027,185	11,710,812
Alberta	9	6,764,414	482	817,467	556,422	6,890,155	11,897,374
British Columbia	4	4,556,084	296	576,100	287,069	9,583,052	11,627,175
Nova Scotia	1)						
New Brunswick	1)	5,875,887	435	800,884	528,502	9,633,853	10,808,244
N. W. Territories ...	1)						
CANADA	49	76,581,743	5,156	8,808,537	5,751,495	94,860,521	122,212,800

(a) THE PETROLEUM REFINING INDUSTRY, 1940

Thirty-eight petroleum refineries operating in Canada during 1940 were distributed by provinces as follows: 10 in Saskatchewan, 9 in Alberta, 5 in Ontario, 4 in Quebec, 4 in Manitoba, 3 in British Columbia and 1 in each of Nova Scotia, New Brunswick and Northwest Territories. There was a loss of 2 refineries in Alberta, 1 in Saskatchewan and 1 in Manitoba. The operating refineries had a capacity of 217,270 barrels of crude oil per day, of which Quebec had 64,500 barrels or 29.7 per cent; Ontario, 57,500 barrels or 26.5 per cent; Nova Scotia, 32,500 barrels or 14.9 per cent; British Columbia, 24,500 barrels or 11.3 per cent; Alberta, 16,850 barrels or 7.7 per cent; Saskatchewan, 16,220 barrels or 7.5 per cent; Manitoba, 4,150 barrels or 2 per cent; the Northwest Territories, 800 barrels or 0.4 per cent, and New Brunswick, 750 barrels. Location, type and capacity for each of these refineries is recorded in the directory at the end of this report.

During the year 1,443,258,451 gallons of imported crude oil and 302,255,830 gallons of crude oil and absorption gasoline from Canadian wells, or a total of 1,745,494,281 gallons was put through Canadian refineries, this amounting to about 63 per cent of the rated capacity. Of the total crude input, about 57 per cent was imported from the United States and nearly 26 per cent from other countries, while about 17 per cent came from Canadian wells. The total cost at the refineries of all crude oil and naphtha charged to stills during the year was \$85,740,625. Stocks of crude oil held at the refineries on December 31st amounted to 200,580,058 gallons.

Refinery production of gasoline in 1940 amounted to 779,983,106 gallons, and in addition the refineries used for blending about 49,565,996 gallons of imported casinghead gasoline which is not included in the Canadian production figures. The gallonage of gasoline made in 1940 was the highest on record, being 5 per cent over 1939, which in turn was 13 per cent over 1938. The refinery selling value of the gasoline made during the year was \$71,226,944. Stocks of gasoline held by the reporting firms on December 31st included 110,584,376 gallons of straight run or cracked gasoline and 3,748,699 gallons of imported casinghead gasoline. In 1940 there was an output of 8,538,070 gallons of natural gasoline from absorption plants in Alberta. This was practically all sold to refineries and is included with the gallonage charged to stills and the refined gasoline made therefrom is included in the refinery output figures.

Imports of gasoline, including casinghead, amounted to 105,536,068 gallons during 1940, which, added to a production of 779,983,106 gallons plus the decline in refinery stocks of 15,280,355 gallons and less the

exports of 4,320,701 gallons, made an apparent Canadian consumption of 896,528,828 gallons. Actual sales reported to the Provincial Governments under the Gasoline Tax Acts amounted to 885,290,294 gallons.

Production of fuel and gas oils (excluding any made and used for cracking processes) totalled 698,913,502 gallons, of which 637,628,616 gallons were made for sale and 61,284,686 gallons for use as fuel in the producing plant. Imports amounted to 101,806,725 gallons and exports to 2,699,135 gallons. Refinery stocks at the end of the year stood at 92,710,869 gallons, or about 21½ million gallons more than in 1939. The apparent consumption of fuel and gas oils in Canada, as calculated from the above figures, amounted to 776,586,326 gallons.

Output of tractor and engine distillates was 23,797,765 gallons in 1940, imports amounted to 715,482 gallons, and producers' stocks declined 3,428,565 gallons. The apparent Canadian consumption was 27,939,810 gallons.

Capital employed in the petroleum refining industry in 1940 was reported at \$75,983,928, of which \$28,503,862 was the value placed on land, buildings, machinery and equipment; \$37,209,729 represented inventories of finished products and processing materials, and \$2,270,537 were for operating capital, such as, cash, bills and accounts receivable. The monthly employment averaged 5,060 persons who received \$3,616,296 in salaries and wages. Expenditures for fuel and electricity amounted to \$5,746,186 and \$94,502,889 were paid out for crude oil and other processing materials.

Table 3 - NUMBER AND TOTAL CAPACITY OF PETROLEUM REFINERIES IN OPERATION IN CANADA, 1937 - 1940

Province	1937		1938		1939		1940	
	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	11,000	1	20,000	1	32,500	1	32,500
New Brunswick	1	250	1	250	1	250	1	250
Quebec	5	68,500	5	65,500	4	64,500	4	64,500
Ontario	5	40,500	5	41,500	5	44,500	5	57,500
Manitoba	3	2,450	5	3,360	5	2,550	4	4,150
Saskatchewan	17	16,070	12	14,475	11	14,620	10	16,220
Alberta	8	9,800	14	13,600	11	18,250	9	16,850
British Columbia	3	19,500	3	22,500	3	22,700	3	24,500
Northwest Territories	1	150	1	150	1	150	1	800
CANADA	44	168,220	47	181,535	42	200,020	38	217,270

NOTE: 1 barrel = 35 Imperial gallons.

Table 4 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, 1921 - 1940

Year	Number of refineries	Capital employed	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
		\$		\$	\$	\$	\$
1921	11	55,630,864	3,911	6,003,559	4,429,308	35,850,653	51,565,405
1922	13	61,253,400	3,498	5,391,285	4,227,615	38,129,880	56,495,821
1923	14	60,288,861	4,195	5,531,569	4,054,846	36,435,306	45,571,506
1924	17	53,095,784	3,603	5,623,978	3,580,032	36,669,292	48,677,347
1925	13	49,461,900	3,655	5,621,898	3,433,017	37,814,303	49,802,615
1926	17	56,476,449	3,698	5,782,589	3,580,049	50,785,871	70,570,240
1927	16	55,442,193	3,802	6,078,226	3,628,842	52,743,530	63,979,849
1928	16	55,811,418	4,252	6,803,234	3,440,578	57,033,185	82,448,392
1929	15	69,887,267	4,883	7,984,786	3,745,956	76,289,182	96,584,180
1930	15	69,077,982	5,030	8,003,357	3,859,683	71,507,879	90,809,711
1931	20	67,288,556	4,058	6,110,068	3,371,118	50,353,423	75,588,425
1932	24	68,882,376	4,058	5,897,811	3,338,648	52,029,471	71,360,324
1933	37	67,566,886	4,551	6,041,230	3,150,719	48,916,966	69,803,721
1934	42	66,450,496	4,876	6,274,799	3,117,697	56,659,492	75,785,677
1935	45	64,012,045	4,771	7,046,675	3,839,424	53,415,916	79,176,081
1936	50	61,307,820	4,935	7,193,148	3,927,321	66,219,148	85,172,981
1937	44	63,759,579	5,047	8,126,583	4,444,878	79,993,972	97,701,954
1938	47	62,097,038	4,586	7,750,748	4,678,933	75,993,557	96,121,611
1939	42	65,784,933	4,675	7,736,350	4,573,570	73,922,207	103,494,258
1940	38	75,983,928	5,060	8,616,296	5,746,186	94,502,889	121,012,497

Petroleum Products

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Table 5 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, BY PROVINCES, 1939 and 1940

Province	Number of refineries	Capital employed	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>1939</u>							
Quebec	4	25,533,326	967	1,645,643	1,592,467	23,296,707	33,210,624
Ontario	5	18,621,442	1,964	3,291,375	1,521,543	22,780,552	31,129,057
Manitoba	5	1,231,709	134	151,271	54,572	1,453,756	1,884,891
Saskatchewan	11	4,659,959	452	655,759	467,015	6,669,751	10,074,461
Alberta	11	6,849,617	481	719,616	331,079	6,277,687	10,291,323
British Columbia	5	4,264,950	273	525,836	242,801	7,945,337	9,158,016
Other provinces (x) ..	3	4,623,930	404	746,830	364,093	5,498,416	7,765,866
CANADA	42	65,784,933	4,675	7,736,330	4,573,570	73,922,206	103,494,238
<u>1940</u>							
Quebec	4	27,143,581	1,027	1,753,895	1,663,634	27,279,461	32,124,559
Ontario	5	24,781,081	2,193	3,781,440	2,077,639	31,263,902	40,531,431
Manitoba	4	1,849,832	140	149,392	61,003	1,627,882	2,317,954
Saskatchewan	10	5,015,539	488	738,770	572,050	8,027,185	11,710,812
Alberta	9	6,764,414	482	817,467	556,422	6,890,155	11,397,374
British Columbia	5	4,553,594	295	574,448	286,936	9,580,451	11,622,123
Other provinces (x) ..	3	5,875,887	435	800,884	528,502	9,633,853	10,308,244
CANADA	38	75,983,928	5,060	8,616,296	5,746,186	94,302,889	121,012,497

(x) Includes 1 refinery in each of Nova Scotia, New Brunswick and the Northwest Territories.

Table 6 - CAPITAL EMPLOYED IN THE PETROLEUM REFINING INDUSTRY, 1939 and 1940

Province	Present value of lands, buildings, machinery and equipment	Inventory value of finished products and materials on hand and stocks in process	Operating capital (cash, bills and accounts receivable, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1939</u>				
Quebec	12,865,169	12,490,325	177,832	25,533,326
Ontario	10,850,294	7,437,593	333,555	18,621,442
Manitoba	741,305	270,925	219,479	1,231,709
Saskatchewan	2,306,831	2,037,471	315,657	4,659,959
Alberta	4,106,544	2,546,791	196,282	6,849,617
British Columbia	2,074,743	2,185,321	4,886	4,264,950
Other provinces	2,271,417	2,163,516	188,997	4,623,930
CANADA	35,216,303	29,131,942	1,436,688	65,784,933
<u>1940</u>				
Quebec	12,341,900	14,733,134	68,547	27,143,581
Ontario	11,658,919	12,033,639	1,089,523	24,781,081
Manitoba	1,235,494	567,740	246,598	1,849,832
Saskatchewan	2,612,231	2,105,901	297,407	5,015,539
Alberta	4,225,656	2,180,080	358,678	6,764,414
British Columbia	1,863,652	2,686,188	3,754	4,553,594
Other provinces	2,566,010	3,103,047	206,830	5,875,887
CANADA	36,503,862	37,209,729	2,270,337	75,983,928

Table 7 - EMPLOYEES IN PETROLEUM REFINERIES, SALARIES AND WAGES, 1939 and 1940

Province	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
1939								
Quebec	172	18	776	1	967	485,549	1,160,294	1,645,643
Ontario	299	43	1,615	7	1,964	872,481	2,418,894	3,291,375
Manitoba	34	10	90	...	134	61,491	89,780	151,271
Saskatchewan	88	20	341	3	452	187,526	466,233	655,759
Alberta	81	12	387	1	481	206,202	513,414	719,616
British Columbia ...	54	10	209	...	273	165,882	359,954	525,836
Other provinces	51	16	337	...	404	188,222	558,608	746,830
CANADA	779	129	3,755	12	4,675	2,167,153	5,569,177	7,736,330
1940								
Quebec	174	20	832	1	1,027	517,191	1,236,704	1,753,895
Ontario	316	46	1,824	7	2,193	1,007,056	2,774,384	3,781,440
Manitoba	34	8	98	...	140	68,513	80,879	149,392
Saskatchewan	102	28	357	1	488	228,691	510,079	738,770
Alberta	96	16	369	1	482	256,690	560,777	817,467
British Columbia ...	52	11	231	1	295	172,394	402,054	574,448
Other provinces	48	19	367	1	435	202,490	598,394	800,884
CANADA	822	148	4,078	12	5,060	2,453,025	6,163,271	8,616,296

Table 8 - NUMBER OF WAGE-EARNERS IN PETROLEUM REFINERIES, BY MONTHS, 1940

Month	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Other provinces	CANADA
January	821	1,670	80	292	391	214	337	3,805
February	794	1,735	82	298	372	219	340	3,840
March	814	1,828	91	324	364	229	355	3,985
April	859	1,867	105	417	357	229	342	4,176
May	854	1,822	106	417	384	228	356	4,167
June	835	1,863	105	385	391	228	360	4,187
July	849	1,919	104	394	388	233	404	4,291
August	858	1,980	106	374	386	233	392	4,329
September	843	1,869	107	378	381	240	376	4,194
October	815	1,822	103	364	355	243	371	4,073
November	841	1,804	103	362	344	240	386	4,080
December	813	1,803	100	298	332	246	389	3,981
AVERAGE	833	1,831	96	358	370	233	368	4,090

Table 3 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1940 (In one week of normal employment, over-time not included)

Hours worked per week	Number of wage-earners	Per cent of total	Hours worked per week	Number of wage-earners	Per cent of total
30 hours or less	22	0.5	55 hours	27	0.6
31 - 43 hours	3,051	68.0	56 - 64 hours	339	7.6
44 hours	96	2.1	65 hours and over ...	190	4.2
45 - 47 hours	72	1.6	TOTAL	4,484	100.0
48 hours	367	8.2	Total wages paid during selected week ..	\$144,808	
49 - 50 hours	80	1.8			
51 - 54 hours	240	5.4			

Table 10 - FUEL(x) AND ELECTRICITY USED IN PETROLEUM REFINERIES, 1939 and 1940

Kind	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian	short ton	...	...	4	28
Imported	short ton	11,650	52,485	15,828	78,266
Coke, including petroleum coke	short ton	4,232	18,202	4,871	24,264
Gasoline	Imp. gal.	17,903	2,006	246,516	26,589
Kerosene	Imp. gal.	...	...	17	5
Fuel oil	Imp. gal.	61,741,130	2,048,005	61,116,065	2,433,433
Wood	cord	160	613	450	1,484
Gas - Manufactured, including still gas	M cu.ft.	7,798,120	1,647,908	8,566,402	2,132,112
Natural	M cu.ft.	1,559,740	136,928	4,206,670	317,285
Other fuel .....	\$	...	207,127	...	207,580
Electricity purchased	K. W. H.	61,780,897	460,296	72,633,717	525,182
TOTAL .....	\$	...	4,573,570	...	5,746,186
Electricity generated for own use	K. W. H.	279,910	...	640,720	...

(x) Includes fuel oil, still gas, petroleum coke, etc., produced in the refineries and used by the producers for heating stills, buildings, etc., or for power purposes.

Table 11 - POWER EQUIPMENT IN PETROLEUM REFINERIES, 1939 and 1940

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
<u>1 9 3 9</u>				
Steam engines and steam turbines	476	19,479	28	575
Diesel engines	9	1,024	...	...
Gasoline, gas and oil engines (except diesel)	57	2,952	5	78
Total Primary Equipment	542	23,465	31	653
Electric motors run by purchased power	1,306	25,600	50	550
TOTAL	1,848	49,065	81	1,203
Electric motors run by power generated by primary equipment above	25	75	...	...
Stationary boilers	138	31,650	5	220
<u>1 9 4 0</u>				
Steam engines and steam turbines	491	19,663	33	775
Diesel engines	10	1,094	...	...
Gasoline, gas and oil engines (except diesel)	61	3,469	2	76
Total Primary Equipment	562	24,226	35	851
Electric motors run by purchased power	1,549	28,136	49	694
TOTAL	2,111	52,362	84	1,545
Electric motors run by power generated by primary equipment above	25	75	...	...
Stationary boilers	136	32,849	3	260

Table 12 - MATERIALS USED IN PETROLEUM REFINERIES, 1939 and 1940

Material	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works	Quantity	Cost at works
Crude oil (under 60° A.P.I.) in its natural state, from Canadian wells	Imp. gal.	253,964,242	11,815,685	293,601,299	13,651,059
Crude naphtha (60° A.P.I. and over) in its natural state, from Canadian wells	Imp. gal.	5,750,952	338,747	...	...
Absorption gasoline, etc., from Canadian wells (run to stills)	Imp. gal.	2,483,690	160,059	8,634,531	531,410
Crude oil, in its natural state, imported, (run to stills)--(a) From United States ...	Imp. gal.	994,341,531	45,025,216	996,917,614	50,083,035
(b) From Other Countries..	Imp. gal.	311,019,875	10,577,842	445,437,156	21,434,013
Crude oil, not in its natural state, (run to stills)	Imp. gal.	2,343,005	131,285	903,681	41,108
Benzol for blending	Imp. gal.	2,087,860	328,321	1,762,372	284,410
Phenol	pound	249,472	41,674	203,150	31,270
Sulphuric acid, 66°Be	pound	20,377,249	219,201	27,995,157	301,446
Sulphur	pound	175,727	4,161	122,131	3,110
Caustic soda	pound	4,100,782	127,642	6,122,558	177,477
Soda ash	pound	648,267	13,330	664,826	13,662
Litharge	pound	267,923	23,027	323,510	26,121
Fullers' earth and clay	pound	19,814,473	304,214	23,828,660	406,185
Compounding materials .....	\$	...	507,992	...	945,628
Tetraethyl fluid .....	\$	...	3,023,903	...	4,309,173
Other materials .....	\$	...	417,155	...	1,017,069
Shipping containers .....	\$	...	864,752	...	1,046,715
TOTAL .....	\$	...	73,922,206	...	94,302,889

Table 13 - MATERIALS USED IN PETROLEUM REFINERIES, BY PROVINCES, 1940

Material	Unit of measure	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Other Provinces
Crude oil (under 60° A.P.I.) in its natural state, from Canadian wells.	Imp.gal.	...	6,147,532	11,894,802	121,955,483	152,175,513	...	1,427,969
	\$	...	388,284	813,615	6,610,515	5,770,666	...	67,979
Absorption gasoline, etc. from Canadian wells (run to stills)	Imp.gal.	...	...	...	96,461	8,538,070	...	...
	\$	...	...	...	14,179	517,231	...	...
Crude oil, in its natural state, imported (run to stills) -								
(a) From United States	Imp.gal.	228,380,390	530,689,694	7,491,801	14,822,099	134,277	199,505,118	16,028,512
	\$	13,102,107	25,947,253	723,527	917,401	5,066	8,530,197	856,550
(b) From Other Countries..	Imp.gal.	246,561,683	...	...	...	...	12,028,144	186,847,329
	\$	12,367,429	...	...	...	...	656,094	8,410,490
Benzol for blending	Imp.gal.	767,809	795,435	171,827	1,843	394	1,160	23,904
	\$	130,735	105,893	35,816	762	164	502	10,488
Sulphuric acid 66° Be	Pound	581,003	20,328,724	20,403	3,003,363	2,050,696	2,010,968	...
	\$	5,420	203,384	770	49,072	22,849	19,951	...
Sulphur	Pound	22,330	45,040	2,753	2,140	49,868	...	...
	\$	669	1,180	102	85	1,074	...	...

Petroleum Products

Table 13 - MATERIALS USED IN PETROLEUM REFINERIES, BY PROVINCES, 1940 (Concluded)

Material	Unit of measure	Quebec	Ontario	Manitoba	Saskatchewan	Alberte	British Columbia	Other Provinces
Caustic soda ...	Pound	1,615,768	1,556,999	86,055	934,235	940,668	365,400	623,433
	\$	40,041	38,229	3,391	32,472	33,786	11,416	18,142
Soda ash	Pound	16,000	122,700	4,525	392,849	36,800	24,200	67,752
	\$	360	1,847	114	8,465	1,022	532	1,324
Litharge	Pound	23,237	167,355	6,774	5,075	120,895	54	120
	\$	1,328	14,377	711	526	9,164	4	11
Fullers' earth and clay	Pound	2,874,100	14,104,927	...	1,227,955	3,203,480	59,600	2,358,604
	\$	40,139	275,384	...	15,766	37,913	859	38,124
Compounding materials .....	\$	...	956,409	...	...	1,385	7,834	...
Tetraethyl fluid	\$	1,265,057	...	34,251	324,351	401,224	282,518	186,590
Other materials	\$	318,522	2,358,955	4,511	49,293	83,042	61,347	31,567
Shipping containers	\$	7,604	994,707	5,014	4,300	5,469	17,031	12,588
TOTAL	\$	27,279,461	31,263,902	1,627,882	8,027,185	6,890,155	9,580,451	9,653,853

(\$ = Cost at works)

Table 14 - PRODUCTS MADE IN PETROLEUM REFINERIES, 1939 and 1940

Product	Unit of measure	1939		1940	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
MADE FOR SALE -					
Gasoline - Straight run (1)	Imp.gal.	405,564,360	35,820,713	391,080,428	35,251,773
- By cracking process (2)	Imp.gal.	334,806,309	28,651,369	388,663,777	35,950,732
Stove oil (40° - 42.5° A.P.I.)	Imp.gal.	18,051,331	781,873	19,933,578	889,874
Gas and light fuel oil (20° - 40° A.P.I., except diesel)	Imp.gal.	86,120,186	4,061,854	114,798,038	5,753,019
Diesel fuel oil (all fuel oil sold under this name)	Imp.gal.	54,144,956	2,323,585	62,968,656	3,261,751
Residual fuel oil (10° - 20° A.P.I.)	Imp.gal.	362,915,573	12,140,704	439,928,344	17,050,341
Tractor and engine distillate	Imp.gal.	33,618,261	2,607,008	23,795,943	2,138,333
V.M. and P. or solvent naphtha	Imp.gal.	8,218,123	647,534	12,686,637	1,167,633
Kerosene	Imp.gal.	27,245,025	2,481,379	25,946,909	2,387,294
Lubricating oil	Imp.gal.	23,578,351	4,243,728	28,380,256	5,530,531
Lubricating grease	pound	12,237,647	629,082	9,441,500	549,456
Asphalt	Imp.gal.	56,571,431	4,419,190	60,312,753	5,226,995
Petroleum coke	short ton	62,094	370,936	63,458	416,262
Other products .....	\$	...	339,189	...	554,763
TOTAL - MADE FOR SALE .....	\$	...	99,517,144	...	116,129,737
MADE FOR OWN USE -					
Gasoline - Straight run	Imp.gal.	173,877	16,475	223,028	22,537
- By cracking process	Imp.gal.	19,073	2,461	15,873	1,902
Gas and light fuel oil (20° - 40° A.P.I.)	Imp.gal.	113,677	6,029	113,769	4,868
Residual fuel oil (10° - 20° A.P.I.)	Imp.gal.	61,317,404	2,026,429	61,165,490	2,431,454
Kerosene	Imp.gal.	15,230	1,308	26,550	2,326
Lubricating oil	Imp.gal.	77,462	13,413	83,532	15,324
Tar	pound	1,536,570	6,829	...	...
Asphalt	Imp.gal.	43,607	3,332	68,260	5,411
Petroleum coke	short ton	4,238	18,253	4,876	25,328
Still gas	M cu.ft.	7,802,666	1,671,238	8,706,334	2,164,514
Other products .....	\$	...	211,327	...	210,096
TOTAL - MADE FOR OWN USE .....	\$	...	3,977,094	...	4,883,760
GRAND TOTAL .....	\$	...	103,494,238	...	121,012,497
Fuel and gas oils made for use in cracking process	Imp.gal.	576,923,544	...	656,962,708	...

(1) Includes recoveries from Turner Valley naphtha and natural gasoline run to refinery stills but does not include the imported casinghead gasoline which was used for blending at the refineries.

(2) Includes all aviation grade gasoline.

Table 15 - PRODUCTS MADE IN PETROLEUM REFINERIES, BY PROVINCES, 1940

Product	Unit of measure	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Other Provinces
MADE FOR SALE -								
Gasoline	Imp.gal.	198,443,335	268,465,754	9,882,693	81,223,056	113,353,080	49,358,339	59,007,948
	\$	19,841,188	22,242,830	1,474,953	8,459,837	9,374,770	5,437,396	4,371,531
Fuel oil and gas oil	Imp.gal.	173,218,930	142,409,330	5,436,024	15,959,472	30,253,799	147,178,598	123,170,913
	\$	7,452,143	6,455,280	398,937	732,939	1,282,499	5,460,704	5,172,463
Tractor and engine distillate.	Imp.gal.	2,055,970	1,920,608	2,839,465	11,094,455	5,882,105	3,340	...
	\$	133,227	161,348	348,067	1,019,570	475,601	520	...
V. M. & P. or solvent naphtha.	Imp.gal.	6,680,961	5,061,421	62,935	...	66,605	605,498	209,217
	\$	622,391	444,565	15,475	...	9,371	60,147	15,184
Kerosene	Imp.gal.	2,098,250	17,596,282	137,850	3,343,328	1,521,998	...	1,249,231
	\$	193,186	1,488,420	24,135	403,698	166,923	...	110,932
Lubricating oil	Imp.gal.	722,809	26,935,957	...	...	1,011	524,277	196,202
	\$	130,756	5,275,664	...	...	111	95,943	28,057
Grease	Pound	...	9,441,500	...	...	...	...	...
	\$	...	549,456	...	...	...	...	...
Asphalt	Imp.gal.	23,899,600	13,623,501	...	7,435,425	5,017,356	3,417,054	6,919,817
	\$	2,024,657	1,253,362	...	609,737	402,035	314,420	622,784
Petroleum coke	Ton	2,758	60,018	...	...	151	...	531
	\$	12,688	401,755	...	...	350	...	1,469
Other products	\$	191,901	361,832	...	330	700	...	...
TOTAL - MADE FOR SALE	\$	30,602,137	38,634,512	2,261,567	11,226,111	11,712,860	11,369,130	10,322,420
MADE FOR OWN USE -								
Gasoline	Imp.gal.	27,746	129,750	12,296	22,946	6,230	8,950	30,983
	\$	2,967	10,146	1,967	4,732	528	924	3,175
Fuel oil and gas oil	Imp.gal.	19,002,656	19,909,236	1,180,611	7,143,168	1,267,299	6,591,667	6,190,049
	\$	762,741	823,764	54,420	280,577	26,712	228,578	260,060
Kerosene	Imp.gal.	...	20,406	...	2,301	...	615	3,228
	\$	...	1,720	...	259	...	60	287
Lubricating oil	Imp.gal.	6,518	69,102	...	...	...	2,792	5,170
	\$	1,179	12,895	...	...	...	511	739
Petroleum coke	Ton	...	1,918	...	2,948	...	...	10
	\$	...	12,916	...	12,583	...	...	29
Still gas	M cu.ft.	...	3,611,386	...	735,498	932,321	99,933	850,568
	\$	...	830,500	...	184,060	152,571	22,781	220,748
Other products	\$	755,535	204,978	...	2,690	4,703	139	786
TOTAL - MADE FOR OWN USE..	\$	1,522,422	1,896,919	56,387	484,701	184,514	252,993	485,824
GRAND TOTAL	\$	32,124,559	40,531,431	2,317,954	11,710,812	11,897,374	11,622,123	10,808,244
Fuel and gas oils made for use in cracking process	Imp.gal.	149,173,327	269,021,464	2,500,000	42,746,002	52,287,215	21,503,475	119,731,225

(\$ = Gross selling value at works)

Table 16 - STOCKS ON HAND AT THE REFINERIES AT THE END OF 1940

	Stocks on hand at refineries on December 31, 1940	Increase or decrease over December 31, 1939
	Imp. Gal.	Imp. Gal.
Crude oil and naphtha, in its natural state, from Canadian wells ...	18,129,799	- 1,077,782
Absorption gasoline, etc., from Canadian wells	767,491	+ 322,463
Crude oil, imported - in its natural state	181,413,233	+ 46,519,313
- not in its natural state	269,535	+ 269,535
Total Crude	200,580,058	+ 46,033,529
Gasoline (excluding imported casinghead or Canadian absorption gasoline)	110,584,376	- 8,472,375
Stove oil (40° - 42.5° A.P.I.)	4,859,567	- 1,073,015
Gas and light fuel oil (20° - 40° A.P.I., excepting diesel)	19,406,794	+ 526,855
Diesel fuel oil	5,637,651	- 506,772
Residual fuel oil (10° - 20° A.P.I.)	62,806,857	+ 18,523,783
Fuel oil for use in cracking process	29,497,910	+ 3,963,715
Tractor and engine distillate	3,910,941	- 3,428,565
Kerosene	7,733,449	+ 1,980,093
Lubricating oils	4,552,872	+ 252,344
Total Refined (above items)	248,990,417	+ 11,766,063

Table 17 - CASINGHEAD GASOLINE IMPORTED AND USED FOR BLENDING AT THE REFINERIES, 1940 (These items not included in previous tables)

Imported natural casinghead gasoline received at the refinery during the year -		
Imp. gal.		44,796,388
\$		3,264,631
Imported natural casinghead gasoline used for blending during the year -		
Imp. gal.		49,363,996
Total stocks of imported natural casinghead gasoline at the end of year -		
Imp. gal.		3,748,699

Table 18 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES IN CANADA, 1918 - 1940

Year	Crude oil used	Year	Crude oil used
	Imp.gal.		Imp.gal.
1918	261,742,274	1930	1,064,434,974
1919	301,006,533	1931	1,074,788,038
1920	295,576,527	1932	930,114,056
1921	373,469,418	1933	1,044,210,850
1922	394,139,055	1934	1,109,510,348
1923	408,810,739	1935	1,196,411,448
1924	467,144,634	1936	1,286,462,896
1925	445,115,694	1937	1,433,581,694
1926	585,466,329	1938	1,418,659,184
1927	716,369,890	1939	1,569,903,296
1928	849,933,770	1940	1,745,494,281
1929	1,072,828,496		

Table 19 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES SHOWING CANADIAN AND IMPORTED, SEPARATELY, 1930 - 1940

Year	Canadian (a)	Imported (b)	TOTAL
	Imp. gal.	Imp. gal.	Imp. gal.
1930	51,522,864	1,012,912,110	1,064,434,974
1931	49,668,529	1,025,119,509	1,074,788,038
1932	57,340,321	892,773,754	950,114,055
1933	52,404,139	1,011,806,711	1,044,210,850
1934	41,461,763	1,068,048,580	1,109,510,343
1935	40,785,473	1,155,625,970	1,196,411,443
1936	42,792,511	1,243,670,584	1,286,462,895
1937	90,004,669	1,343,577,025	1,423,581,694
1938	236,492,200	1,182,166,964	1,418,659,164
1939	262,198,884	1,307,704,411	1,569,903,295
1940	302,235,830	1,443,258,451	1,745,494,281

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

Table 20 - PRODUCTION OF CRUDE PETROLEUM IN CANADA, 1939 and 1940

Areas	1 9 3 9		1 9 4 0	
	Barrels	Value	Barrels	Value
		\$		\$
NEW BRUNSWICK	22,799	32,082	22,167	31,220
ONTARIO -				
Petrolia and Enniskillen	56,951	109,934	55,589	116,658
Oil Springs	32,442	65,715	31,392	69,016
Moore Township	1,527	2,947	1,307	2,743
Garnia Township	397	766	370	776
Plympton Township	156	301	89	187
Bothwell Township	39,616	76,364	35,873	75,280
Dover	15,037	29,023	11,856	24,880
Onondaga	219	507	957	2,169
Moss Township	12,857	24,816	17,288	36,279
Brooke	52	101	51	107
Dunwich	210	405	337	707
Raleigh	27	52	76	160
Thamesville	1,293	2,496	811	1,702
Dawn and Euphemia	3,958	7,639	2,294	4,814
Warwick	41,478	80,057	29,354	61,600
Chatham	159	307	...	...
TOTAL FOR ONTARIO	206,379	401,430	187,644	397,078
SAKATCHEWAN .....	...	...	351	256
ALBERTA -				
Turner Valley	7,543,929	9,334,069)		
Red Coulee	12,649	11,157)	8,562,203	10,694,394
Wainwright-Taber-Moose Dome	20,354	17,157)		
TOTAL FOR ALBERTA	7,576,932	9,362,363	8,562,203	10,694,394
NORTHWEST TERRITORIES	20,191	50,477	18,633	37,265
CANADA	7,826,301	9,846,352	8,590,978	11,160,213

Table 21 - REFINERY PRODUCTION OF GASOLINE IN CANADA, 1930 - 1940

Year	Straight run	By cracking	TOTAL	Per cent of total made by cracking
	Imp.gal.	Imp.gal.	Imp.gal.	
1930	276,294,656	169,314,761	445,599,417	38
1931	278,215,832	191,632,502	469,925,375	41
1932	207,823,273	192,113,405	399,936,678	48
1933	267,086,230	155,850,563	422,936,793	37
1934	294,980,092	166,773,271	461,753,363	36
1935	292,520,425	221,195,579	513,716,004	43
1936	316,207,576	251,451,700	567,659,276	44
1937	361,900,397	278,399,479	640,299,878	43
1938	362,583,649	291,445,476	654,029,125	45
1939	405,738,237	334,825,382	740,563,619	45
1940	391,303,456	388,679,650(x)	779,983,106	50

(x) Includes all aviation grade gasoline.

Table 22 - AVERAGE WHOLESALE TANK WAGON PRICES FOR GASOLINE (MEDIUM GRADE), FUEL OIL, ETC., BY MONTHS, 1940

Month	Halifax	Montreal	Toronto	Winnipeg	Regina	Calgary	Vancouver
	\$	\$	\$	\$	\$	\$	\$
GASOLINE -							
January .....	.145	.155	.155	.195	.185	.160	.160
February .....	.150	.160	.155	.195	.185	.160	.160
March .....	.150	.160	.155	.195	.185	.160	.160
April .....	.150	.160	.155	.195	.185	.160	.160
May .....	.150	.160	.155	.195	.180	.160	.140
June .....	.150	.160	.155	.195	.180	.160	.140
July .....	.145	.160	.160	.200	.180	.160	.140
August .....	.145	.160	.160	.200	.180	.160	.140
September .....	.145	.160	.165	.205	.180	.160	.140
October .....	.145	.160	.165	.205	.180	.160	.140
November .....	.145	.160	.165	.205	.180	.160	.140
December .....	.145	.160	.165	.205	.180	.160	.140
YEARLY AVERAGE ....	.147	.160	.159	.199	.182	.160	.147
Kerosene .....	.185	.165	.164	.213	.202	.180	.230
Fuel oil, light .....	...	...	.079	...	...	...	...
Lubricating oils (Atlantic red oil) ....	...	...	.318	...	...	...	...

Table 23 - APPARENT CONSUMPTION IN CANADA OF GASOLINE, FUEL OIL, ENGINE DISTILLATE, KEROSENE AND LUBRICATING OILS, 1938 - 1940

(As computed from production, imports, exports and refinery stocks)

	Fuel and gas oils (a)	Gasoline	Lubricating oils	Kerosene	Tractor and engine distillate
	Imp. gal.	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.
<u>1 9 3 8</u>					
Production	(b) 540,907,971	654,029,125	22,709,001	22,536,425	35,002,461
Plus imports	51,273,799	119,038,120	16,173,426	4,723,576	1,142,847
	592,181,770	773,067,245	38,882,427	27,260,001	36,145,308
Less exports and re-exports	1,847,017	4,984,879	...	767,763	...
	590,334,753	768,082,366	38,882,427	26,492,238	36,145,308
Plus decline in refinery stocks.	2,325,053	1,844,503	...	974,518	...
	592,659,806	769,926,869	38,882,427	27,466,756	36,145,308
Less increase in refinery stocks	...	...	132,899	...	4,115,975
APPARENT CONSUMPTION (c) ..	592,659,806	769,926,869	38,749,528	27,466,756	32,029,333

Petroleum Products

Table 23 - APPARENT CONSUMPTION IN CANADA OF GASOLINE, FUEL OIL, ENGINE DISTILLATE, KEROSENE AND LUBRICATING OIL, 1938 - 1940 - (Concluded)

	Fuel and gas oils (a) Imp. gal.	Gasoline Imp. gal.	Lubricating oils Imp.gal.	Kerosene Imp.gal.	Tractor and engine distillate Imp.gal.
<u>1 9 3 9</u>					
Production	(b) 582,705,683	740,563,619	25,017,072	27,280,255	53,620,596
Plus imports	59,960,460	109,021,177	18,067,304	6,518,685	1,257,808
	642,666,143	849,584,796	43,084,376	33,778,940	54,878,204
Less exports and re-exports	2,379,286	5,443,416	...	614,159	...
	639,786,857	846,141,380	43,084,376	33,164,801	54,878,204
Plus decline in refinery stocks.	7,511,545	...	194,687	2,593,104	5,146,182
	647,298,402	846,141,380	43,279,063	35,757,905	58,024,386
Less increase in refinery stocks	...	31,953,163	...	...	...
APPARENT CONSUMPTION (c) ..	647,298,402	814,188,217	43,279,063	35,757,905	58,024,386
<u>1 9 4 0</u>					
Production	(b) 598,913,302	779,983,106	50,006,720	25,973,459	23,797,763
Plus imports	101,806,725	105,586,068	18,506,716	5,783,003	713,482
	700,720,027	885,569,174	48,513,436	31,756,462	24,511,245
Less exports and re-exports	2,699,135	4,520,701	...	636,800	...
	798,020,892	881,248,473	48,513,436	31,119,662	24,511,245
Plus decline in refinery stocks.	...	15,280,355	...	...	5,428,565
	798,020,892	896,528,828	48,513,436	31,119,662	27,939,810
Less increase in refinery stocks	21,434,566	...	252,344	1,980,095	...
APPARENT CONSUMPTION (c) ..	776,586,326	896,528,828	48,261,092	29,139,569	27,939,810

- (a) Import figures for fuel oil include amounts brought in "ex-warehoused for ships' stores". This item covers fuel oil imported in bond for use in fueling vessels at Canadian ports and, as there is no corresponding export item, such quantities might properly be omitted when compiling figures of Canadian consumption. In 1938, the amount under this item was 51,198,446 gallons, in 1939, 41,057,202 gallons and in 1940, 54,453,217 gallons.
- (b) Exclusive of fuel oil for cracking operations but including fuel oil used by refineries for power or heating purposes.
- (c) No record of changes in stocks at points other than refineries.

Table 24 - APPARENT CONSUMPTION OF FUEL OIL, GASOLINE, KEROSENE, ENGINE DISTILLATE, and LUBRICATING OILS, 1930 - 1940

(Computed from Production, Imports, Exports and Refinery Stocks)

Year	Fuel and gas oils	Gasoline	Engine distillate (Imperial gallons)	Kerosene	Lubricating oils
1930	515,137,434	601,736,656	Not	47,130,034	54,394,696
1931	488,371,080	565,266,046		46,543,627	29,270,337
1932	460,366,156	505,231,853	avail-	54,534,585	26,128,986
1933	481,688,950	463,176,444		42,362,473	30,557,493
1934	503,060,605	524,622,641	able	42,727,528	26,933,794
1935	505,844,126	564,140,772	38,030,150	31,168,762	32,800,623
1936	532,285,589	616,676,937	35,344,520	31,136,985	34,823,724
1937	563,807,090	709,275,664	31,189,319	26,682,696	39,625,132
1938	592,659,806	769,926,869	32,029,333	27,466,756	38,749,528
1939	647,298,402	814,188,217	38,024,386	35,757,905	43,279,063
1940	776,586,326	896,528,828	27,939,810	29,139,569	48,261,092

Table 25 - GROSS SALES OF GASOLINE IN CANADA, BY PROVINCES, 1937 - 1940
(Gross sales - sold for all purposes; Net sales - sold for use in automobiles)

Province	1937	1938	1939	1940
	(Imperial gallons)			
Prince Edward Island	3,420,163	3,631,360	4,128,907	4,094,203
Nova Scotia	29,159,361	29,632,787	31,621,971	34,961,212
New Brunswick	21,947,202	21,998,728	23,192,413	24,829,924
Quebec	128,394,645	135,026,866	138,925,246	148,499,644
Ontario	324,858,959	337,880,996	345,105,726	371,903,633
Manitoba	34,635,432	38,596,582	41,455,558	48,893,738
Saskatchewan	46,278,251	65,090,674	87,877,403	101,101,143
Alberta (x)	75,166,087	73,724,520	75,535,323	83,808,689
British Columbia	54,567,327	57,157,813	59,823,751	65,198,108
TOTAL GROSS SALES	718,427,427	762,740,326	807,666,298	883,290,294
REFUNDS	115,022,668	130,722,877	144,504,737	181,175,411
TOTAL NET SALES	603,404,759	632,017,449	663,161,561	702,114,883

(x) Includes diesel oil to March 31st, 1938.

Table 26 - GROSS SALES OF GASOLINE IN CANADA, BY MONTHS, 1937 - 1940

Month	1937	1938	1939	1940
	(Imperial gallons)			
January	33,788,537	35,407,164	40,077,850	44,772,623
February	30,779,948	33,146,647	33,452,296	41,690,460
March	38,871,176	41,373,278	43,065,980	43,822,862
April	50,976,732	54,401,471	48,866,349	56,039,829
May	68,420,444	74,511,526	78,809,692	91,110,599
June	73,724,575	77,799,950	77,668,907	88,003,837
July	80,023,053	80,660,413	87,258,978	93,334,938
August	84,022,269	90,584,831	97,200,212	103,444,717
September	79,135,342	85,737,623	95,290,364	97,901,488
October	71,172,611	77,036,848	82,708,454	94,116,475
November	61,183,652	63,560,199	67,842,577	71,711,105
December	46,329,088	48,520,376	55,424,639	57,341,361
TOTAL	718,427,427	762,740,326	807,666,298	883,290,294

Table 27 - GROSS SALES OF GASOLINE IN CANADA, BY MONTHS AND BY PROVINCES, 1940, and TOTALS for 1939

Month	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
	(Thousands of Imperial gallons)				
January	83,151	1,785,351	1,282,845	6,982,653	21,605,494
February	67,112	1,531,163	1,170,570	6,405,483	20,431,408
March	64,163	1,848,065	1,238,829	6,317,664	21,211,075
April	120,494	2,144,881	1,331,949	8,213,317	26,617,750
May	455,867	3,160,553	2,100,963	13,650,389	34,457,667
June	503,810	3,384,473	2,522,671	15,482,659	35,692,583
July	581,561	3,978,575	2,960,409	17,056,488	38,244,152
August	641,602	4,226,673	3,213,588	17,930,522	41,320,657
September	515,393	3,466,334	2,755,850	16,567,267	37,098,421
October	510,223	3,599,544	2,612,170	16,760,843	37,515,492
November	392,964	3,180,753	2,125,143	13,458,689	31,751,055
December	157,863	2,654,847	1,514,937	9,673,670	25,957,879
TOTALS FOR 1940.	4,094,203	34,961,212	24,829,924	148,499,644	371,903,633
TOTALS FOR 1939.	4,128,907(x)	31,621,971(x)	23,192,413(x)	138,925,246	345,105,726

Table 27 - GROSS SALES OF GASOLINE IN CANADA, BY MONTHS AND BY PROVINCES, 1940, and TOTALS for 1939 (Con.)

Month	Manitoba	Saskatchewan	Alberta	British Columbia	TOTAL
	(Thousands of Imperial gallons)				
January	2,550,093	2,606,861	3,652,073	4,224,102	44,772,623
February	2,185,024	2,221,929	3,501,018	4,176,753	41,690,460
March	2,421,078	2,351,076	3,921,949	4,448,963	43,822,862
April	3,359,935	5,777,012	3,629,195	4,845,296	56,059,829
May	4,455,509	16,177,294	10,972,522	5,679,835	91,110,599
June	4,598,996	11,070,329	8,769,763	5,978,553	88,003,837
July	5,052,947	10,329,829	8,403,131	6,727,846	93,334,938
August	5,993,422	13,715,875	9,458,162	6,944,216	103,444,717
September	5,887,845	15,920,231	9,625,211	6,064,936	97,901,488
October	5,522,246	11,232,305	10,390,997	5,972,655	94,116,475
November	3,739,492	5,783,137	5,993,171	5,286,701	71,711,105
December	3,127,151	3,915,265	5,491,497	4,848,252	57,341,361
TOTALS FOR 1940	48,893,738	101,101,143	83,808,689	65,198,108	883,290,294
TOTALS FOR 1939	41,455,558	87,877,403	75,535,323	59,823,751	807,666,298

(x) Excludes aviation gasoline.

Table 28 - NET SALES OF GASOLINE IN CANADA, BY PROVINCES, 1937 - 1940
(Net Sales - Gallons sold on which no refunds have been granted, chiefly for motor vehicles)

Province	1937	1938	1939	1940
	(Imperial gallons)			
Prince Edward Island	2,814,779	2,891,204	3,205,532	3,030,054
Nova Scotia	23,968,732	25,575,322	26,836,029	29,367,015
New Brunswick	19,119,043	18,905,155	19,479,851	21,328,394
Quebec	121,732,952	128,768,743	131,113,441	139,430,661
Ontario	301,997,891	310,461,674	316,505,920	328,484,418
Manitoba	32,665,795	36,388,003	38,858,888	40,175,901
Saskatchewan	24,753,482	27,347,080	41,692,634	47,976,575
Alberta	33,762,330	37,179,884	38,900,385	41,337,799
British Columbia	42,589,755	44,500,384	46,568,881	50,984,066
CANADA	603,404,759	632,017,449	663,161,561	702,114,883

Table 29 - REVENUES FROM GASOLINE TAXES, BY PROVINCES, 1937 - 1940

Province	1937	1938	1939	1940(xx)
	\$			
Prince Edward Island	269,232	285,505	316,087	300,842
Nova Scotia	2,006,439	2,424,355	2,608,189	2,875,400
New Brunswick	1,439,096	1,807,493	1,893,169	2,104,686
Quebec	7,078,230	7,637,151	9,969,226(x)	11,154,540
Ontario	17,644,164	18,503,789	25,105,559(x)	26,608,271
Manitoba	2,270,660	2,529,088	2,750,638	2,805,074
Saskatchewan	1,937,553	1,822,689	2,760,196	3,348,936
Alberta	2,610,211	2,953,123	3,096,644	3,221,775
British Columbia	3,113,312	3,284,490	3,454,852	3,759,629
CANADA	38,373,947	41,247,688	51,954,330	56,179,173

(x) Rates increased from 6 to 8 cents, April 1, 1939.

(xx) Preliminary.

Table 30 - REVENUES FROM MOTOR VEHICLE REGISTRATIONS AND GASOLINE TAXES, 1925 - 1940

Year	From motor vehicle registrations	From gasoline taxes	Year	From motor vehicle registrations	From gasoline taxes
	\$			\$	
1925	13,440,202	4,068,157	1933	20,576,392	26,467,765
1926	15,434,494	6,360,690	1934	21,567,830	29,054,853
1927	16,572,361	7,963,345	1935	23,090,978	31,532,645
1928	19,004,276	12,547,073	1936	25,632,843	34,532,436
1929	22,514,030	18,760,543	1937	25,993,905	38,373,947
1930	20,166,283	22,655,225	1938	26,230,196	41,247,688
1931	19,684,908	22,546,119	1939	27,961,132	51,954,360
1932	21,126,271	27,083,316	1940(x)	29,300,720	56,179,173

(x) Preliminary.

Table 31 - DATES WHEN GASOLINE ACTS BECAME EFFECTIVE and RATES OF TAX

Province	Dates when gasoline tax rates became effective	Rates per gallon (x)
		cents
Prince Edward Island	May 1, 1924	2
	March 31, 1926	3
	May 1, 1928	5
	May 2, 1932	6
	April 15, 1933	8
	April 23, 1937	10
Nova Scotia	March 15, 1926	5
	March 11, 1927	5
	April 1, 1932	6
	May 1, 1934	8
	March 15, 1938	10
New Brunswick	April 30, 1926	3
	December 1, 1928	5
	April 1, 1932	7
	April 1, 1934	8
	March 20, 1938	10
Quebec	April 1, 1924	2
	April 1, 1925	3
	April 1, 1928	5
	December 17, 1931	6
	April 18, 1939	8
Ontario	May 11, 1925	3
	March 27, 1929	5
	March 25, 1932	6
	April 1, 1939	8
Manitoba	April 27, 1923	1
	March 5, 1925	3
	April 14, 1930	5
	May 7, 1932	7 (refund 5 cents)
	April 5, 1940	7 (refund 7 cents)
Saskatchewan	May 1, 1928	5
	April 1, 1930	5
	May 1, 1932	6 (refund 5 cents) (A)
	April 1, 1935	7 (refund 7 cents)
Alberta	April 30, 1922	2
	June 1, 1929	5 (refund 4 cents)
	April 1, 1933	6 (refund 5 cents)
	April 1, 1935	7 (refund 6 cents)
British Columbia	December 21, 1923	3
	March 25, 1930	5 (refund 5 cents)
	April 18, 1932	7 (refund 6 cents)

(x) When gasoline is used by farm tractors, fishing boats and for other stipulated uses, the total tax paid is refunded except in the western provinces where only a portion is refunded, as noted.

(A) Effective January 1, 1933.

Table 32 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, 1904 - 1940

Year	Passenger cars	Commercial vehicles	Motor cycles	TOTAL	Year	Passenger cars	Commercial vehicles	Motor cycles	TOTAL
1904	535	1923 ...	513,075	54,564	8,346	575,985
1905	565	1924 ...	573,204	64,003	8,058	645,265
1906	1,447	1925 ...	641,186	74,933	7,924	724,043
1907	2,148	1926 ...	736,729	88,019	7,520	832,268
1908	3,054	1927 ...	830,001	102,088	7,562	939,651
1909	4,809	1928 ...	930,619	130,827	7,897	1,069,345
1910	9,158	1929 ...	1,022,654	155,820	8,857	1,187,331
1911	21,783	1930 ...	1,055,514	167,548	9,427	1,232,489
1912	36,429	1931 ...	1,023,923	167,097	9,648	1,200,668
1913	54,380	1932 ...	945,073	159,041	9,419	1,113,533
1914	74,246	1933 ...	917,008	156,170	10,000	1,083,178
1915	95,284	1934 ...	952,427	166,799	10,306	1,129,532
1916	128,328	1935 ...	989,754	175,888	10,484	1,176,126
1917	203,502	1936 ...	1,041,529	187,770	10,825	1,240,124
1918	276,893	1937 ...	1,103,012	205,588	11,102	1,319,702
1919	342,433	1938 ...	1,159,604	223,176	12,073	1,394,853
1920	408,790	1939 ...	1,190,021	236,902	12,322	1,439,245
1921	464,805	1940 ...	1,234,637	252,813	13,379	1,500,829
1922	509,382					

NOTE: Livery and taxi-cabs included with passenger cars.
Buses, convertible cars, road tractors, ambulances, etc., included with commercial vehicles.

Table 33 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, BY PROVINCES, 1937 - 1940

Province	1937	1938	1939	1940
	Number	Number	Number	Number
Prince Edward Island	8,011	7,992	8,040	8,070
Nova Scotia	50,048	51,214	53,008	57,873
New Brunswick	36,780	37,110	38,116	39,000
Quebec	197,917	205,463	213,148	225,152
Ontario	623,918	669,088	682,891	703,872
Manitoba	80,860	88,219	88,864	90,932
Saskatchewan	105,064	109,014	119,018	126,970
Alberta	100,454	107,191	113,702	120,514
British Columbia	116,341	119,220	122,087	128,044
Yukon	329	342	371	402
CANADA	1,319,702	1,394,853	1,439,245	1,500,829

Table 34 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, BY TYPES, 1940

Provinces	Passenger cars	Motor trucks	Motor buses	Motor cycles	Other motor vehicles	TOTAL
	Number	Number	Number	Number	Number	Number
Prince Edward Island	6,824	1,223	(x)	23	...	8,070
Nova Scotia	45,120	11,574	(x)	468	711	57,873
New Brunswick	30,560	7,283	98	267	792	39,000
Quebec	180,556	40,487	868	2,811	430	225,152
Ontario	610,576	86,835	1,058	5,403	...	703,872
Manitoba	73,404	16,758	(x)	770	...	90,932
Saskatchewan	93,176	33,010	110	643	31	126,970
Alberta	92,814	26,835	150	715	...	120,514
British Columbia	101,452	23,672	666	2,254	...	128,044
Yukon	155	181	8	25	33	402
CANADA	1,234,637	247,858	2,958	13,379	1,997	1,500,829

(x) Included with trucks.

Table 35 - FUEL OIL DELIVERIES: DELIVERIES FOR CONSUMPTION, BY PROVINCES, 1938 - 1940
(As reported by distributors, and importers-Imperial Gallons - Calendar years)

NOTE: Figures taken from "Petroleum Fuels in Canada" issued by the Bureau of Mines, Department of Mines and Resources, Ottawa

Area	DOMESTIC and BUILDING heating		INDUSTRIAL (manuf-turers') heating and for power	TRACTOR fuel oil, not lubricant	RAILWAYS, principally locomotive fuel	BUNKERING, including distribu-tors'tankers	TOTAL DELIVERIES	Inventory on December 31, at refinery, warehouses and consum-ers storage
	Number domestic custom-ers	Quantity						
1940								
N.B. and P.E.I.	2,224	4,953,535	2,210,561	63,300	137,147	5,544,649	12,909,192	2,858,463
Nova Scotia	4,729	7,513,887	4,504,439	82,562	52,315	122,612,204	134,765,407	18,415,373
Quebec	13,438	56,002,554	69,784,750	1,699,307	2,228,803	42,965,201	172,678,615	61,107,603
Ontario	26,953	49,337,313	97,690,912	4,585,679	2,762,379	8,212,208	162,388,491	74,676,336
Manitoba	901	2,002,178	3,813,989	10,800,624	816,232	...	17,433,023	2,588,727
Saskatchewan	395	1,715,091	10,855,499	6,141,723	206,457	...	18,918,770	7,579,332
Alta. and N.W.T.	129	639,134	3,170,446	6,650,019	17,001,793	132,615	27,594,007	12,644,041
B.C. and Yukon	14,066	27,909,721	49,263,364	781,326	32,063,397	69,102,280	179,120,088	35,617,087
TOTAL - 1940	62,815	150,073,413	241,293,960	30,604,540	55,268,523	248,567,157	725,807,593	215,487,681
TOTAL - 1939	58,654	136,101,107	181,239,889	34,773,691	53,795,067	204,944,464	610,854,218	203,628,275
TOTAL - 1938	42,982	118,987,210	164,161,165	26,769,293	51,458,444	175,258,308	536,634,420	188,424,793

Fuel oil includes all oils heavier than 42° A.P.I. processed from petroleum. 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. Fuel oil used as a material in manufacturing is omitted.

Table 36 - KEROSENE DELIVERIES: DELIVERIES FOR CONSUMPTION, BY PROVINCES, 1938 - 1940

(Data include all oils ranging approximately between 42° and 47° A.P.I. - Imperial gallons - Calendar years)

NOTE: Figures taken from "Petroleum Fuels in Canada" issued by the Bureau of Mines, Department of Mines and Resources, Ottawa

Province	For domestic heating, cooking and lighting purposes		For fuel in tractors	For other general usage	Total deliveries	Inventory December 31
1940						
N.B. and P.E.I.	1,486,020	...	...	8,008	1,494,028	524,560
Nova Scotia	1,597,225	...	...	56	1,597,281	2,395,617
Quebec	4,917,075	...	...	196,291	5,113,366	2,454,465
Ontario	5,951,340	515,457	...	220,193	6,686,990	5,380,440
Manitoba	1,914,529	322,361	...	21,926	2,258,816	564,877
Saskatchewan	3,616,887	281,934	...	3,593	3,902,414	1,255,193
Alberta	2,075,145	652,372	...	6,700	2,734,217	1,243,794
British Columbia	1,093,790	147	...	31,900	1,125,837	1,270,103
TOTAL - 1940	22,652,011	1,772,271	488,667	24,912,949	15,089,049	
TOTAL - 1939	25,604,269	2,643,168	699,704	28,947,141	14,308,933	
TOTAL - 1938	23,868,526	20,067,567	477,394	44,413,487	16,623,679	

Table 37 - PETROLEUM COKE: DELIVERIES FOR CONSUMPTION, 1938 - 1940

(Used as fuel only - not as manufacturing materials)

NOTE: Figures taken from "Petroleum Fuels in Canada" issued by the Department of Mines and Resources, Ottawa

	Fuel for domestic and industrial heating	Inventories December 31
<u>1940</u>		
New Brunswick and Prince Edward Island .....	...	...
Nova Scotia	541	...
Quebec	350	84,668
Ontario	40,269	98,806
Manitoba .....	...	...
Saskatchewan	3,107	98
Alberta and Northwest Territories	154	...
British Columbia and Yukon	11	7
TOTAL - 1940	44,592	183,579
TOTAL - 1939	36,949	144,233
TOTAL - 1938	52,351	94,089

(E) MANUFACTURE OF LUBRICATING OILS AND GREASES (OTHER THAN IN REFINERIES) - 1940

Eleven Canadian factories were occupied chiefly in compounding lubricating oils and greases in Canada during 1940. Seven of these plants were located in Ontario, 3 in Quebec and 1 in British Columbia.

They employed a fixed and working capital of \$597,815 and gave work to a monthly average of 96 people who were paid \$192,241 as salaries or wages. Purchases of processing materials and containers cost \$337,333 and the selling value of products totalled \$1,200,303. Included in the year's output were lubricating oils at \$376,679, lubricating greases at \$175,177 and soaps or soap powders at \$48,107.

Total Canadian output of lubricating oils, including production from the refineries, amounted to 30,038,730 gallons in 1940 against 25,017,072 gallons in 1939. Corresponding figures for lubricating greases totalled 10,821,173 pounds in 1940 and 13,141,616 pounds in 1939. By taking account of changes in producer stocks and adding the imports to the Canadian production, the consumption of lubricating oils in Canada during 1940 amounted to 48,261,092 gallons.

Table 38 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, 1921 - 1940

Year	No. of plants	Capital employed	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
		\$		\$	\$	\$	\$
1921	5	1,933,724	103	178,955	10,343	778,923	1,367,012
1922	6	800,629	57	101,398	4,172	283,311	539,742
1923	6	738,843	62	116,751	6,236	381,390	709,028
1924	8	700,010	66	125,727	6,500	423,419	733,720
1925	8	1,118,649	83	153,148	14,113	446,721	959,512
1926	6	701,676	55	109,810	4,746	388,288	626,071
1927	7	693,371	54	110,000	4,614	316,391	548,971
1928	9	720,196	67	119,346	7,204	350,656	673,780
1929	10	1,373,192	95	168,839	8,699	572,757	1,024,134
1930	13	1,256,399	104	186,773	8,861	432,550	977,494
1931	12	847,725	64	104,677	7,481	264,319	570,219
1932	7	593,484	58	82,870	7,003	207,916	337,433
1933	10	626,968	77	100,715	7,000	270,791	464,544
1934	9	570,545	81	104,427	6,837	309,523	551,836
1935	13	695,409	85	106,549	7,625	453,898	774,444
1936	13	576,106	84	116,807	5,313	336,737	629,382
1937	13	520,687	90	120,260	5,127	407,908	752,060
1938	12	525,870	89	122,294	4,284	425,959	881,736
1939	11	596,256	91	153,917	5,129	543,394	1,084,279
1940	11	597,815	96	192,241	5,309	557,632	1,200,303

Table 39 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, BY PROVINCES, 1939 and 1940

Year	No. of plants	Capital employed	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
1939							
Ontario	7	489,603	67	117,368	2,024	486,259	958,939
Quebec	3)						
British Columbia	1)	106,653	24	36,549	3,105	57,135	125,340
CANADA	11	596,256	91	153,917	5,129	543,394	1,084,279
1940							
Ontario	7	494,168	67	144,967	2,804	482,923	1,051,626
Quebec	3)						
British Columbia	1)	103,647	29	47,674	3,105	74,709	148,677
CANADA	11	597,815	96	192,641	5,909	557,632	1,200,303

Table 40 - CAPITAL EMPLOYED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1939 and 1940

Province	Value of lands, buildings, machinery and equipment	Inventory value of materials and finished products on hand and stocks in process	Operating capital (cash, bills receivable, etc.)	TOTAL CAPITAL EMPLOYED
1939				
Ontario	157,345	176,507	155,751	489,603
Other provinces	70,173	14,334	22,146	106,653
CANADA	227,518	190,841	177,897	596,256
1940				
Ontario	107,597	196,075	190,496	494,168
Other provinces	68,122	12,493	23,032	103,647
CANADA	175,719	208,568	213,528	597,815

Table 41 - EMPLOYEES, SALARIES AND WAGES IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1939 and 1940

Province	Average number of employees				TOTAL	Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages					
	Male	Female	Male	Female				
1939								
Ontario	32	9	24	2	67	91,156	26,212	117,368
Other provinces	9	2	13	...	24	24,272	12,277	36,549
CANADA	41	11	37	2	91	115,428	38,489	153,917
1940								
Ontario	31	10	25	1	67	111,891	32,676	144,567
Other provinces	12	3	14	...	29	34,226	15,448	47,674
CANADA	43	13	39	1	96	146,117	46,124	192,241

Table 42 - NUMBER OF WAGE-EARNERS IN THE LUBRICATING OILS AND GREASES INDUSTRY, BY MONTHS, 1939 and 1940

Month	Ontario		Other Provinces		C A N A D A	
	1939	1940	1939	1940	1939	1940
January	26	24	14	13	40	37
February	25	25	14	15	39	40
March	25	25	14	14	39	39
April	25	25	11	14	36	39
May	24	25	12	13	36	38
June	25	27	16	13	41	40
July	26	26	15	13	41	39
August	27	26	12	14	39	40
September	28	27	15	12	43	39
October	31	25	14	12	45	37
November	27	25	14	13	41	38
December	27	25	15	18	42	43
AVERAGE	26	26	13	14	39	40

Table 43 - FUEL AND ELECTRICITY USED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1939 and 1940

Kind	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works	Quantity	Cost at works
		\$		\$	
Coal, anthracite	short ton	24	273	32	403
Coal, bituminous - Canadian	short ton	1	12	2	18
Imported	short ton	188	1,392	143	1,201
Coke	short ton	10	125	2	16
Wood	cord	73	630	93	824
Manufactured gas	M cu.ft.	200	215	222	243
Electricity purchased	K. W. H.	103,270	2,482	108,510	2,604
TOTAL .....	\$	...	5,129	...	5,309

Table 44 - POWER EQUIPMENT IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1939 and 1940

	1 9 3 9		1 9 4 0	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	2	8	2	8
Total Primary (all in use)	2	8	2	8
Electric motors run by purchased power ..	24	131	26	144
TOTAL	26	139	28	152
Stationary boilers	2	18	2	18

Table 45 - MATERIALS USED IN LUBRICATING OILS AND GASES INDUSTRY, 1939 and 1940

Material	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Cost at works	Quantity	Cost at works
		\$		\$	
Compounding stocks (oils, etc.)	Imp.gal.	...	360,623	1,128,087	374,201
Tallow and grease	lb.	218,200	17,857	279,422	22,499
All other materials .....	...	...	69,356	...	54,559
Shipping containers .....	...	...	95,558	...	106,293
TOTAL .....	...	...	543,394	...	557,632

Table 46 - PRODUCTS MADE IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1939 and 1940

Product	Unit of measure	1 9 3 9		1 9 4 0	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
		\$		\$	
Greases, lubricating	pound	845,140	155,997	1,069,891	175,177
Oils, lubricating	gallon	1,360,759	796,872	1,542,882	876,679
Soaps and soap powders .....	...	...	33,117	...	48,107
All other products .....	...	...	98,293	...	100,340
TOTAL .....	...	...	1,084,279	...	1,200,303

Table 47 - FREIGHT MOVEMENT IN PETROLEUM PRODUCTS - REVENUE FREIGHT CARRIED BY CANADIAN RAILWAYS, 1940

Commodities	FREIGHT ORIGINATED				FREIGHT TERMINATED		EXPORT via Rail Column 1-5	IMPORT Column 5-1
	Loaded at stations within the province	Received from		TOTAL	Unloaded at sta- tions within the province	Delivered to foreign connections		
		foreign connections						
		Canadian points	Foreign points					
	1	2	3	4	5	6	7	8
<u>Prince Edward Island -</u>								
Crude petroleum .....	...	...	...	...	...	...	...	...
Asphalt	31	...	...	31	5,411	...	...	5,380
Gasoline	615	...	...	613	9,615	...	...	9,000
Other petroleum products	197	...	...	197	4,388	...	...	4,190
<u>Nova Scotia -</u>								
Crude petroleum .....	...	...	...	...	...	...	...	...
Asphalt	25,463	...	...	25,463	16,053	...	9,410	...
Gasoline	100,797	180	...	100,977	80,613	...	20,184	...
Other petroleum products	36,885	449	...	37,334	38,483	1,025	...	1,598
<u>New Brunswick -</u>								
Crude petroleum .....	...	...	...	...	33	59	...	33
Asphalt	160	...	...	160	8,810	24	...	8,650
Gasoline	50,954	...	8,287	59,241	64,094	4,466	...	13,410
Other petroleum products	9,557	271	1,579	11,407	20,821	730	...	11,264
<u>Quebec -</u>								
Crude petroleum	454	493	120	1,067	458	93	16	...
Asphalt	99,124	1,150	854	101,128	43,836	1,696	55,288	...
Gasoline	305,994	10,843	16,813	333,650	293,117	3,068	12,877	...
Other petroleum products	145,877	31,749	15,589	193,265	194,313	3,541	...	48,436
<u>Ontario -</u>								
Crude petroleum	14,328	11,856	370	26,554	15,840	532	...	1,512
Asphalt	86,411	7,099	25,972	119,482	135,047	25,502	...	48,636
Gasoline	673,715	19,692	34,235	727,742	610,704	38,025	83,011	...
Other petroleum products	313,385	76,326	80,955	470,666	326,260	84,395	...	12,875
<u>Manitoba -</u>								
Crude petroleum	38	22,440	...	22,478	81,969	...	...	81,931
Asphalt	1,842	214	...	2,056	31,039	...	...	29,197
Gasoline	2,394	9,747	...	12,141	164,055	...	...	161,661
Other petroleum products	14,247	14,234	...	28,481	81,805	71	...	67,558
<u>Saskatchewan -</u>								
Crude petroleum .....	...	1,534	...	1,534	551,348	...	...	551,348
Asphalt	34,264	3,846	...	38,110	21,840	...	12,424	...
Gasoline	89,650	725	...	90,375	95,115	...	...	5,465
Other petroleum products	48,275	2,785	152	51,212	37,228	...	11,047	...
<u>Alberta -</u>								
Crude petroleum	539,621	60,660	...	600,281	2,231	...	537,390	...
Asphalt	27,767	...	...	27,767	23,519	...	4,248	...
Gasoline	218,418	2,048	...	220,466	160,090	...	58,328	...
Other petroleum products	33,094	464	...	33,558	41,623	...	...	8,529
<u>British Columbia -</u>								
Crude petroleum	103	168	...	271	170	31	...	67
Asphalt	16,822	1,087	431	18,340	15,710	431	1,112	...
Gasoline	53,329	1,059	558	54,946	65,054	579	...	11,725
Other petroleum products	35,108	2,901	232	38,241	43,963	589	...	8,855

Table 48 - IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1939 and 1940

Tariff Item Number	Item	Unit of measure	1 9 3 9		1 9 4 0		
			Quantity	Value \$	Quantity	Value \$	
(a) <u>IMPORTS</u>							
7151	Oil, imported by miners or mining companies or concerns, for use in the concentration of ores of metals in their own concentrating establishments	gal.	48,395	27,416	106,589	53,663	
7153	Crude petroleum not subjected to any other process than natural weathering and removal of foreign matter and water when imported by oil refiners to be refined in their own factories, .8155 specific gravity (42.0° A.P.I.) or heavier at 60° Fahrenheit	M gal.	1,292,469	59,411,230	1,484,537	48,089,645	
7157	Crude petroleum not subjected to any other process than natural weathering and removal of foreign matter or water, when imported by oil refiners to be refined in their own factory, lighter than .8155 specific gravity (42.0° A.P.I.) at 60° Fahrenheit ..	gal.	5,191,284	213,658	6,534,799	203,029	
7158	Crude petroleum, n.o.p.	gal.	658,882	24,890	750,631	27,064	
7156	Fuel oil, ex-warehoused for ships' stores..	gal.	41,057,202	975,164	54,453,217	1,573,152	
7162	Coal oil and kerosene lighter than .8236 specific gravity at 60° temperature, n.o.p.	gal.	6,518,685	457,224	5,783,003	417,354	
7163	Engine distillate .8017 specific gravity or heavier at 60° temperature	gal.	1,257,808	73,956	713,482	43,216	
7164	Gasoline lighter than .8236 specific gravity at 60° temperature	gal.	70,073,942	5,527,116	63,731,919	4,958,085	
7165	Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0° A.P.I.) at 60° Fahrenheit, when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	gal.	33,947,255	2,471,220	41,854,149	2,052,164	
7166	Lubricating oils, composed wholly or in part of petroleum, and costing less than 25 cents per gallon	gal.	13,474,618	2,070,674	12,616,054	2,070,629	
7167	Lubricating oils, n.o.p.	gal.	4,592,686	1,886,941	5,890,662	2,413,750	
7168	All other oils, n.o.p.	gal.	293,848	137,718	388,491	198,128	
7169	Products of petroleum, n.o.p., .8236 specific gravity (40.3° A.P.I.) or heavier at 60° Fahrenheit	gal.	18,903,258	674,810	47,353,508	1,687,214	
7181	Grease, axle	pound	7,719,447	428,080	9,184,153	553,729	
7182	Vaseline and all similar preparations of petroleum, for toilet, medicinal or other purposes .....	\$	...	324,506	...	350,466
7183	Paraffin wax	pound	18,038,306	659,765	18,252,070	888,658	
7184	Paraffin wax candles	pound	213,308	37,091	172,734	30,765	
7185	Products of petroleum, n.o.p., lighter than .8236 specific gravity at 60° temperature..	gal.	2,900,736	291,614	2,164,568	241,592	
7186	Liquefied petroleum gases for heating, cooking or illuminating purposes when imported in containers .....	\$	...	13,206	...	16,159
7141	Asphaltum or asphalt, solid or not	cwt.	234,136	198,096	282,935	283,841	
7143	Asphalt oil for paving purposes only	gal.	134,221	8,802	42,381	2,624	
	Coke, petroleum	ton	147,505	962,537	185,230	1,710,870	
TOTAL - PETROLEUM, ASPHALT AND THEIR PRODUCTS			\$...	56,875,714	...	67,865,797

Table 48 - IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1939 and 1940 (Concluded)

Tariff Item Number	Item	Unit of measure	1 9 3 9		1 9 4 0	
			Quantity	Value \$	Quantity	Value \$
(b) EXPORTS						
	Oil, petroleum, crude	gal.	336	17	225	6
	Oil, coal and kerosene, refined	gal.	614,139	67,267	636,800	69,974
	Oil, gasoline and naphtha	gal.	3,443,416	331,541	4,320,701	503,568
	Fuel oil	gal.	2,879,286	188,409	2,699,135	180,136
	Oil, mineral, n.o.p.	gal.	709,681	251,176	992,365	273,451
	Wax, mineral	cwt.	3,633	10,148	62	933
	Coke, petroleum	ton	7,536	190,802	4,807	109,757
	TOTAL - PETROLEUM AND ITS PRODUCTS .....	\$	...	1,039,360	...	1,143,865
(c) RE-EXPORTS						
	Petroleum and its products	gal.	...	12,145	...	2,920
	Petroleum coke	ton	28,208	660,443	35,626	841,676
	TOTAL - RE-EXPORTS .....	\$	...	672,588	...	844,596

DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1940

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	32,500	S - C	Combination unit	11,600
<u>NEW BRUNSWICK -</u>					
New Brunswick Gas & Oilfields Ltd.	Waldon	250	S	...	...
<u>QUEBEC -</u>					
British American Oil Co. Ltd.	Montreal East	12,000	S - C	Liquid and vapour phase	7,500
Imperial Oil Limited	Montreal	25,000	S - C	Tube and Tank	6,000
McCull-Frontenac Oil Co. Limited	Montreal East	20,000	S - C	2 Jenkins, 1 Kellogg and 1 own make	12,500
Shell Oil Company of Canada Ltd.	Montreal East	7,500	S - C	Dubbs Selective	5,500
<u>ONTARIO -</u>					
British American Oil Co. Limited	Toronto	6,000	S - C	Liquid and vapour phase	3,000
Canadian Oil Companies Limited	Petrolia	3,500	S - C	Dubbs	1,500
Good Rich Refining Co. Ltd.	Port Credit	3,000	S - C	Dubbs	900
Imperial Oil Limited	Sarnia	33,000	S - C	Tube and Tank	21,500
McCull-Frontenac Oil Co. Limited	Toronto	12,900	S - C	Gasoline Products Corp.	7,000
<u>MANITOBA -</u>					
Anglo-Canadian Oils Ltd.	Brandon	1,400	S - C	Dubbs	500
North Star Oil Limited	St. Boniface	2,000	S - C	Dubbs	500
Radio Oil Refineries Ltd.	East Kildonan	500	S	...	...
Trump Oil Company Limited	Morris	250	S	...	...
<u>SASKATCHEWAN -</u>					
British American Oil Co. Limited	Moose Jaw	4,000	S - C	Liquid and vapour phase	2,000
Consumers' Co-Operative Refineries Ltd.	Regina	1,500	S - C	Dubbs	500
Eston Refining Co. Ltd.	Eston	300	S	...	...
Hi-Way Refineries Limited	Moose Jaw	275	S	...	...
Hi-Way Refineries Limited	Saskatoon	275	S	...	...
Home Oil and Refining Co. Ltd.	Humboldt	420	S - C	(Type not stated)	100
Imperial Oil Limited	Regina	7,500	S - C	Tube and Tank	5,500
Northern Petroleum Corporation, Ltd.	Kamsack	200	S	...	...
Sterling Refineries Ltd.	Yorkton	750	S - C	Liquid phase	250
Natural Sodium Products Ltd.	Bishopric	1,000	S	...	...

DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1940
(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
<u>ALBERTA -</u>					
Becker Refineries Ltd.	Royalties	500	S - C	(Own make)	500
British American Oil Co. Ltd.	Calgary	4,500	S - C	Liquid and vapour phase	2,250
Dina Oil & Refining Co. Ltd.	Dina	200	S	...	...
Fraser Refining Co.	Wainwright	50	S	...	...
Gas and Oil Products, Ltd.	Hartell	3,000	S - C	Dubbs	500
Gold Standard Oils Ltd.	Wainwright	300	S	...	...
Huff Refinery Co. Ltd.	Lethbridge	500	S	...	...
Imperial Oil Ltd.	Calgary	7,500	S - C	Combination unit	4,000
Warner Oil Refining & Dist. Co. Ltd.	Warner	300	S	...	...
<u>BRITISH COLUMBIA -</u>					
Imperial Oil Limited	Ioco	16,000	S - C	Tube and Tank	3,400
Shell Oil Company of British Columbia Ltd.	Vancouver	4,000	S	...	...
Standard Oil Company of British Columbia Ltd.	Burnaby	4,500	S	...	...
<u>NORTHWEST TERRITORIES -</u>					
Northwest Company Ltd.	Wells	800	S	...	...

S = Skimming
C = Cracking

DIRECTORY OF PLANTS ENGAGED IN THE COMPOUNDING OF LUBRICATING OILS AND GREASES IN CANADA, 1940

<u>Name of Company</u>	<u>Location of Plant</u>
<u>QUEBEC -</u>	
Chapman, L. L. and W. H.	Champlain St., Gatineau Point
Economic Products Ltd.	6508 Durocher Avenue, Outremont
Union Products	1150 Conway Street, Montreal
<u>ONTARIO -</u>	
Campbell Grease Company	414 Eastern Avenue, Toronto
Hollingshead, R. M., Co. of Canada, Ltd.	Bowmanville
Houghton, E. F., & Co. of Canada, Ltd.	165 Dufferin Street, Toronto
Kendall Refining Company of Canada, Ltd.	35 Fraser Avenue, Toronto
Ontario Lubricating Co. Ltd.	120 Chatham Street, Hamilton
Ontario Gasoline & Oil Ltd.	45 Dickens Avenue, Toronto
Tide Water Oil Co. of Canada, Ltd.	201 Weston Road S., Toronto
<u>BRITISH COLUMBIA -</u>	
Canada Grease Works Ltd.	280 East 6th Avenue, Vancouver

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