

45-205

C.1

Historical File Copy



Published by Authority of the HON. W.D. EULER, M.P.
Minister of Trade and Commerce.

CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL & CHEMICAL BRANCH

THE PETROLEUM PRODUCTS INDUSTRY
IN
CANADA
1936



OTTAWA
1937

Price 25 cents

202-2-2

10

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
MINING, METALLURGICAL AND CHEMICAL BRANCH
OTTAWA - CANADA

Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.
Statistician - Metal and Chemical Products: H. McLeod, B.Sc.

ANNUAL INDUSTRY REPORT

MANUFACTURES OF THE NON-METALLIC MINERALS GROUP

THE PETROLEUM PRODUCTS INDUSTRY, 1936.

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

Fifty refineries and 13 blending plants, or a total of 63 works, reported in this category in 1936 and the aggregate value of production was \$85,802,363, an increase of 7 per cent over the total of \$79,950,525 for the 58 operating establishments in 1935.

The output figure for 1936 included \$85,172,981 for petroleum refineries and \$629,382 for concerns engaged in blending oils and greases. The principal significant 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, 1932 - 1936.

Years	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>							
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	3,130,719	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	58,415,916	79,176,081
1936	50	61,307,820	4,935	7,193,148	3,927,321	66,219,148	85,172,981
<u>LUBRICATING OILS AND GREASES</u>							
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
<u>TOTAL</u>							
1932	31	69,475,860	4,116	5,980,681	3,345,651	52,237,387	71,697,757
1933	47	68,193,854	4,628	6,141,945	3,137,719	49,187,757	70,268,265
1934	51	67,021,041	4,957	6,379,226	3,124,534	56,969,015	76,337,513
1935	58	64,707,454	4,856	7,153,224	3,847,049	58,869,814	79,950,525
1936	63	61,883,926	5,019	7,309,955	3,932,634	66,555,885	85,802,363

Table 2 - PRINCIPAL STATISTICS OF THE PETROLEUM PRODUCTS INDUSTRY, BY PROVINCES, 1936.

Provinces	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
		\$		\$	\$	\$	\$
Quebec.....	7	21,022,130	1,067	1,670,552	1,383,766	20,753,097	27,504,940
Ontario	14	20,861,503	2,064	2,917,761	1,278,164	21,729,194	26,532,661
Manitoba ...	4	497,039	68	74,378	40,941	951,886	1,477,159
Saskatchewan	18	4,853,294	466	606,919	298,216	5,246,588	6,638,204
Alberta	12	5,260,904	488	721,058	237,560	5,646,597	7,410,882
Br. Columbia	5	5,442,752	401	651,387	263,654	7,074,784	9,205,427
Other provinces .	3	3,946,304	465	667,900	430,333	5,153,739	7,033,090
CANADA ...	63	61,883,926	5,019	7,309,955	3,932,634	66,555,885	85,802,363

Table 3 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES and CAPITAL EMPLOYED, 1936.

	Number of plants	Capital employed	Number of employees	Gross selling value of products at works
		\$		\$
<u>(a) PRODUCTION</u>				
Under \$25,000	10	304,929	38	164,215
\$25,000 to \$50,000	12	500,712	63	412,309
\$50,001 to \$100,000	10	914,505	92	700,060
\$100,001 to \$250,000	7	570,354	87	968,139
\$250,001 to \$500,000	7	2,038,579	228	2,760,956
\$500,001 to \$1,000,000	2	728,371	59	1,918,234
\$1,000,001 to \$5,000,000 ...	9	20,501,573	1,191	25,142,492
Over \$5,000,000	6	36,324,903	3,261	53,735,958
TOTAL	63	61,883,926	5,019	85,802,363
<u>(b) NUMBER OF EMPLOYEES</u>				
1 or 2	4	93,903	8	96,893
3 to 10	27	1,484,669	164	1,277,406
11 to 20	9	890,102	126	1,821,197
21 to 50	8	2,588,776	269	3,728,417
51 to 100	4	6,237,914	299	7,323,634
101 to 250	6	20,917,868	837	27,447,417
Over 250	5	29,670,694	3,316	44,107,399
TOTAL	63	61,883,926	5,019	85,802,363
<u>(c) CAPITAL EMPLOYED</u>				
Under \$25,000	7	70,490	26	127,086
\$25,000 to \$100,000	27	1,388,793	215	1,749,334
\$100,001 to \$1,000,000	15	4,278,684	387	6,395,693
Over \$1,000,000	14	56,145,959	4,391	77,530,250
TOTAL	63	61,883,926	5,019	85,802,363

(a) - THE PETROLEUM REFINING INDUSTRY.

Fifty petroleum refineries operated in Canada during 1936, as follows: 18 in Saskatchewan, 12 in Alberta, 5 in Ontario, 4 in each of Quebec, Manitoba, and British Columbia, and 1 in each of Nova Scotia, New Brunswick and the Northwest Territories. Compared with 1935 there was a gain of 4 refineries in Saskatchewan and 3 in Alberta, and a loss of 2 in Ontario, while in the other provinces the number remained unchanged. The operating refineries had a combined capacity of 171,160 barrels of crude oil per day of twenty-four hours, distributed by provinces as follows - Quebec, 65,500 barrels or 38.3 per cent of the total; Ontario, 39,500 barrels or 23.1 per cent; British Columbia, 20,000 barrels or 11.7 per cent; Alberta, 16,860 barrels or 9.8 per cent; Saskatchewan, 15,250 barrels or 8.9 per cent; Nova Scotia, 11,000 barrels or 6.5 per cent; Manitoba, 2,650 barrels or 1.5 per cent; New Brunswick, 250 barrels or 0.1 per cent, and the Northwest Territories, 150 barrels or 0.1 per cent. Sixteen establishments had cracking units with aggregate capacity of about 77,700 barrels per day. The location, type and capacity of these refineries is recorded in the directory at the end of this report.

In 1936 the operating refineries used 1,243,670,584 gallons of imported crude oil and 42,792,311 gallons of crude oil and naphtha from Canadian wells, a total of 1,286,462,895 gallons which was equal to about 57 per cent of refinery capacity. About 70.5 per cent, or 906,642,075 gallons, of the crude was imported from United States, 26.2 per cent or 337,028,509 gallons was brought from South America, and 3.3 per cent or 42,792,311 gallons was from Canadian sources. The total cost at the refineries of all crude oil used during the year was \$62,585,826. Stocks of crude held at the refineries at the end of the year totalled 107,176,172 gallons of which 107,142,712 gallons were natural crude and 33,460 gallons were reduced crude.

Gasoline production in 1936 amounted to 567,659,276 gallons of which 316,207,576 gallons were made by the straight run process and 251,451,700 gallons by cracking. In addition, the refineries used for blending purposes a total of 41,208,973 gallons of imported casinghead gasoline which was not included in the production figures. The gallonage of gasoline made in 1936 was the highest on record, being 10 per cent greater than the output in 1935. The value of the 1936 production was \$50,586,980 at refinery prices. Stocks held at the refineries at the end of the year included 90,033,791 gallons of straight run and cracked gasoline and 5,231,507 gallons of imported casinghead, the latter for blending purposes.

Imports of gasoline, including casinghead, during 1936 amounted to 58,476,986 gallons which with the production of 567,659,276 gallons less the increase in refinery stocks of 8,569,821 gallons and less the exports of 3,399,780 gallons made an apparent consumption in Canada of 614,166,661 gallons for the year. This figure agrees fairly well with the gross sales of 624,115,851 gallons reported to the provincial governments under the Gasoline Tax Acts but this latter figure probably included some Turner Valley naphtha which was sold direct from the wells to the consumers and also some engine distillates which were used for auto or tractor fuel. Reports from oil well operators indicate that about 2.7 million gallons of naphtha and absorption gasoline were sold directly to consumers for use in autos, tractors, etc., during 1936 and a further 3.3 millions were blended directly with refinery gasoline without passing through the stills; such sales would be subject to tax in Alberta and would be included in the gross sales of 624,115,851 gallons mentioned above, but not in the refinery production figures; engine and tractor distillate is also taxable under the Alberta Act.

Production of fuel and gas oils (excluding any made and used for cracking purposes) totalled 498,317,618 gallons of which 443,747,191 gallons were for sale and 54,570,427 gallons for use as fuel in refineries. Imports aggregated 45,092,500 gallons and exports amounted to 19,412,825 gallons. Refinery stocks at the end of the year were about 66,709,896 gallons or 8,288,296 gallons less than in 1935. The apparent consumption in Canada, as calculated from the above figures, was 532,285,589 gallons.

Refinery production of lubricating oils amounted to 19,718,317 gallons, and a further 721,001 gallons were made in blending plants, making a total production of 20,439,318 gallons. By adding to this figure the imports of 14,296,949 gallons and the decline in refinery stocks of 87,457 gallons, an estimate of 34,823,724 gallons is obtained as the apparent Canadian consumption in 1936.

Production of lubricating grease in refineries was 11,399,546 pounds and in blending plants, 845,800 pounds, a total of 12,245,346 pounds. This quantity plus imports of 4,950,846 pounds indicates a consumption in Canada of 27,196,192 pounds in 1936.

Capital employed in the petroleum refining industry in 1936 was reported at \$61,007,820 of which \$34,672,442 was the value placed on land, buildings and equipment. The average number of employees was 4,935 and payments to these workers in salaries and wages amounted to \$7,193,148 for the year. Materials used in refining operations cost \$66,219,148, fuel and electricity cost \$3,927,321, and the products were valued at \$85,172,981 at the works.

Table 4 - NUMBER AND TOTAL CAPACITY OF PETROLEUM REFINERIES IN OPERATION IN CANADA, 1933 - 1936.

Provinces	1933		1934		1935		1936	
	Num- ber	Capacity in barrels of crude per day	Num- ber	Capacity in barrels of crude per day	Num- ber	Capacity of crude per day	Num- ber	Capacity in barrels of crude per day
Nova Scotia	1	12,000	1	11,000	1	11,000	1	11,000
New Brunswick ..	1	100	1	100	1	100	1	250
Quebec	5	52,000	5	61,500	4	59,500	4	65,500
Ontario	7	38,675	7	39,850	7	39,900	5	39,500
Manitoba	2	1,900	3	2,100	4	2,450	4	2,650
Saskatchewan ...	8	9,400	10	12,850	14	14,190	18	15,250
Alberta	9	16,120	10	14,150	9	14,860	12	16,860
British Columbia	3	19,500	4	17,700	4	18,200	4	20,000
N.W. Territories	1	80	1	150	1	150	1	150
CANADA	37	149,775	42	159,400	45	160,350	50	171,160

1 barrel = 35 Imperial gallons.

Table 5 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, 1921 - 1936.

Years	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	51,565,403
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	50,783,871	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	98,384,180
1930 ...	15	69,077,982	5,030	8,003,357	3,859,683	71,307,879	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	3,130,719	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

Table 6 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, BY PROVINCES, 1935 and 1936.

Provinces	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>1935</u>							
Quebec	4	21,855,381	1,008	1,559,196	1,162,760	17,287,313	23,044,090
Ontario	7	21,367,847	2,012	2,970,360	1,534,651	19,234,541	24,664,342
Manitoba ...	4	500,080	67	70,318	35,193	975,766	1,299,492
Saskatchewan	14	4,970,398	418	525,803	253,803	4,176,195	5,683,815
Alberta	9	5,554,504	452	665,744	195,906	6,028,776	7,791,296
Br. Columbia	4	5,115,501	383	594,032	226,308	5,941,922	8,958,440
Other provinces .	3	4,648,334	431	661,222	430,803	4,771,403	7,734,606
CANADA ...	45	64,012,045	4,771	7,046,675	3,839,424	53,415,916	79,176,081
<u>1936</u>							
Quebec	4	20,930,076	1,047	1,643,660	1,381,421	20,693,843	27,407,809
Ontario	5	20,393,516	2,002	2,829,509	1,275,340	21,456,194	26,008,188
Manitoba ...	4	497,039	68	74,378	40,941	951,886	1,477,159
Saskatchewan	18	4,853,294	466	606,919	298,216	5,246,588	6,638,204
Alberta	12	5,260,904	488	721,058	237,560	5,646,597	7,410,882
Br. Columbia	4	5,436,687	399	649,724	263,510	7,070,301	9,197,649
Other provinces .	3	3,946,304	465	667,900	430,333	5,153,739	7,033,090
CANADA ...	50	61,307,820	4,935	7,193,148	3,927,321	66,219,148	85,172,981

Table 7 - CAPITAL EMPLOYED IN THE PETROLEUM REFINING INDUSTRY, 1935 and 1936.

Provinces	Present value	Inventory value of	Operating	TOTAL CAPITAL EMPLOYED
	of lands, buildings, machinery and equipment	finished products and materials on hand and stocks in process	capital (cash, bills and accounts re- ceivable, etc.)	
	\$	\$	\$	\$
<u>1935</u>				
Quebec	13,231,578	8,238,742	385,061	21,855,381
Ontario	13,418,915	7,526,734	422,198	21,367,847
Manitoba	282,982	126,851	90,247	500,080
Saskatchewan	2,801,265	1,887,037	282,096	4,970,398
Alberta	2,181,885	3,245,240	127,379	5,554,504
British Columbia.	3,165,835	1,688,899	260,767	5,115,501
Other provinces .	2,270,481	2,293,054	84,799	4,648,334
CANADA	37,352,941	25,006,557	1,652,547	64,012,045
<u>1936</u>				
Quebec	12,388,740	7,928,277	613,059	20,930,076
Ontario	12,479,859	7,577,618	326,039	20,383,516
Manitoba	259,582	150,952	86,505	497,039
Saskatchewan	2,687,380	1,959,856	206,058	4,853,294
Alberta	1,939,334	3,056,932	264,638	5,260,904
British Columbia.	3,132,594	1,924,928	379,165	5,436,687
Other provinces .	1,784,953	2,070,739	90,612	3,946,304
CANADA	34,672,442	24,669,302	1,966,076	61,307,820

Table 8 - EMPLOYEES IN PETROLEUM REFINERIES, SALARIES AND WAGES, 1935 and 1936.

Provinces	Average number of employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
					\$	\$	\$	
<u>1935</u>								
Quebec	144	10	853	1	1,008	357,753	1,201,443	1,559,196
Ontario	324	40	1,640	8	2,012	801,610	2,168,750	2,970,360
Manitoba	21	2	44	...	67	28,615	41,703	70,318
Saskatchewan	89	9	320	...	418	171,402	354,401	525,803
Alberta	81	8	363	...	452	192,534	473,210	665,744
British Columbia.	73	10	300	...	383	172,361	421,671	594,032
Other provinces .	57	10	364	...	431	160,857	500,365	661,222
CANADA	789	89	3,884	9	4,771	1,885,132	5,161,543	7,046,675
<u>1936</u>								
Quebec	153	18	876	...	1,047	387,742	1,255,918	1,643,660
Ontario	302	56	1,638	6	2,002	789,035	2,040,474	2,829,509
Manitoba	19	2	47	...	68	33,001	41,377	74,378
Saskatchewan	86	15	364	1	466	189,624	417,295	606,919
Alberta	94	14	380	...	488	201,166	519,892	721,058
British Columbia.	70	13	316	...	399	181,518	468,206	649,724
Other provinces .	54	17	393	1	465	165,490	502,410	667,900
CANADA	778	135	4,014	8	4,935	1,947,576	5,245,572	7,193,148

Table 9 - NUMBER OF WAGE-EARNERS IN PETROLEUM REFINERIES, BY MONTHS, 1936.

Months	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Other prov- inces	CANADA
January ...	841	1,525	42	199	364	320	402	3,693
February ..	842	1,622	43	213	362	324	402	3,808
March	855	1,615	42	286	378	322	407	3,905
April	889	1,649	44	379	385	326	387	4,059
May	912	1,673	45	441	400	334	392	4,197
June	896	1,680	46	446	398	331	400	4,197
July	887	1,691	44	449	398	310	399	4,178
August	901	1,675	44	472	393	309	396	4,190
September ..	901	1,665	45	474	391	303	391	4,170
October ...	873	1,656	42	386	385	296	381	4,019
November ..	854	1,659	43	352	377	295	379	3,959
December ..	856	1,629	38	294	364	289	378	3,848
AVERAGE ..	876	1,644	47	365	380	316	394	4,022

Table 10 - TOTAL OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT ACCORDING TO REGULAR HOURS WORKED PER WEEK, 1936. (overtime not included).

Regular hours worked per week	Number of wage-earners	Regular hours worked per week	Number of wage-earners
40 hours or less	3,196	51 - 53 hours	19
41 - 43 hours	50	54 hours	42
44 hours	147	55 hours	5
45 - 47 hours	41	56 - 59 hours	23
48 hours	718	60 hours and over ...	111
49 - 50 hours	39	TOTAL	4,391

Table 11 - FUEL(x) and ELECTRICITY USED IN PETROLEUM REFINERIES, 1935 and 1936.

Kinds	Unit of measure	1935		1936	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian ..	short ton	10	76	63	329
Imported ..	short ton	26,570	121,827	20,372	91,591
Lignite coal - Canadian	short ton	10	55	...	...
Coke, including petroleum coke	short ton	16,067	60,096	14,497	45,598
Gasoline	Imp. gal.	4,817	381	4,038	691
Kerosene or coal oil	Imp. gal.	510	49	687	77
Fuel oil	Imp. gal.	52,082,628	1,925,597	54,552,661	1,997,039
Wood	cord	22	91	72	262
Gas - Manufactured, including still gas	M cu.ft.	5,154,885	1,101,548	6,091,049	1,270,055
- Natural	M cu.ft.	762,226	68,618	1,036,750	92,698
Other fuel	xxx	...	147,641	...	1,572
Electricity purchased	K.W.H.	49,074,025	413,445	55,031,480	427,409
TOTAL .....	\$	...	3,839,424	...	3,927,321
Electricity generated for own use	K.W.H.	1,299,790	...	399,225	...

(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 12 - POWER EQUIPMENT IN PETROLEUM REFINERIES, 1935 and 1936.

Kinds	1935		1936	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	442	15,551	444	16,604
Diesel engines	5	935	5	935
Gasoline, gas and oil engines (other than diesel)	12	214	15	217
Total Primary	459	16,700	464	17,756
Electric motors run by purchased power	1,128	22,369	1,185	24,294
TOTAL	1,587	39,069	1,649	42,050
Boilers	134	29,435	157	31,679

Table 13 - POWER EQUIPMENT IN PETROLEUM REFINERIES, 1936, SHOWING 'ORDINARILY IN USE' SEPARATELY FROM 'IN RESERVE OR IDLE'.

	Ordinarily in use		In reserve or idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	440	16,149	4	455
Diesel engines	5	935	...	...
Gasoline, gas and oil engines (other than diesel)	15	217	...	...
Total Primary	460	17,301	4	455
Electric motors run by purchased power	1,166	23,764	19	530
TOTAL	1,626	41,065	23	985
Boilers	154	31,484	3	195

Table 14 - MATERIALS USED IN PETROLEUM REFINERIES, 1935 and 1936.

Materials	Unit of measure	1935		1936	
		Quantity	Cost at works	Quantity	Cost at works
Crude oil, naphtha, absorption gasoline, etc., from Canadian wells, (run to stills)	Imp. gal.	40,785,473	3,015,288	42,792,311	3,219,007
Crude oil in its natural state, imported, (run to stills) -					
(a) From United States ..	Imp. gal.	855,159,427	40,708,492	906,642,075	46,026,181
(b) From other countries.	Imp. gal.	294,278,182	10,950,743	337,028,509	13,340,638
Crude oil, not in its natural state, (run to stills) -					
(a) From United States ..	Imp. gal.	2,418,107	226,434	...	...
(b) From other countries.	Imp. gal.	3,770,254	202,376	...	...
Benzol for blending	Imp. gal.	(a)	(a)	359,748	54,045
Sulphuric acid, 66° Be. ...	lb.	23,098,907	224,014	22,809,518	213,433
Sulphur	lb.	156,773	5,098	131,338	4,631
Caustic soda	lb.	3,180,180	99,149	3,705,041	107,684
Soda ash	lb.	237,466	5,280	290,677	6,350
Litharge	lb.	388,112	26,286	349,315	24,644
Fullers' earth and clay ...	lb.	18,487,148	260,885	18,907,295	243,164
Compounding materials	xx	...	356,519	...	479,767
Tetraethyl fluid	xx	...	1,461,153	...	1,580,695
Other materials	xx	...	321,699	...	257,249
Shipping containers	xx	...	552,500	...	661,660
TOTAL .....	\$	...	58,415,916	...	66,219,148

(a) Not itemized separately in 1935.

Table 15 - PRODUCTS MADE IN PETROLEUM REFINERIES, 1935 and 1936.

Products	Unit of measure	1935		1936	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
Made for sale -					
Gasoline (a) Straight run(x)	Imp.gal.	292,313,856	26,595,550	316,046,838	28,768,074
(b) By cracking process	Imp.gal.	221,195,579	18,566,703	251,436,449	21,800,125
Fuel oil and gas oils	Imp.gal.	417,840,170	15,647,726	443,747,191	16,708,163
Tractor and engine distillate	Imp.gal.	39,431,237	3,410,812	33,280,176	2,963,582
V.M. & P. or solvent naphtha	Imp.gal.	9,124,052	687,833	8,959,588	692,553
Kerosene	Imp.gal.	31,767,027	3,055,093	28,913,144	2,606,158
Lubricating oil	Imp.gal.	17,814,927	3,484,794	19,665,009	3,754,454
Grease	pound	11,352,074	515,401	11,399,546	527,979
Asphalt	Imp.gal.	34,668,858	3,119,530	34,860,569	3,031,466
Petroleum coke	ton	63,843	372,723	62,077	381,473
Wax and candles	pound	11,237,594	434,918	11,347,044	413,884
Other products	xx	...	43,735	...	11,195
TOTAL for SALE	\$	...	75,934,818	...	81,659,106
Made for Own Use -					
Gasoline (a) Straight run	Imp.gal.	206,569	20,104	160,738	16,960
(b) By cracking process	Imp.gal.	...	...	15,251	1,821
Fuel oil (except for cracking) and gas oils	Imp.gal.	52,129,538	1,903,544	54,570,427	1,995,397
V.M. & P. or solvent naphtha	Imp.gal.	3,560	368	1,608	202
Kerosene	Imp.gal.	66,690	5,338	73,472	5,438
Lubricating oil	Imp.gal.	48,680	11,498	53,308	12,115
Tar	Imp.gal.	1,213,240	48,529	304,045	12,162
Petroleum coke	ton	8,348	21,256	2,629	11,687
Still gas	M cu.ft.	5,154,885	1,105,166	6,083,549	1,268,556
Other products	xx	...	98,460	...	189,537
TOTAL for OWN USE	\$	...	3,241,263	...	3,513,875
GRAND TOTAL	\$	...	79,176,081	...	85,172,981
Fuel and gas oil made for use in cracking process	Imp.gal.	398,176,385(a)	...	383,325,710(b)	...

(x) Includes 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.

(a) Not including 1,845,016 gallons of heavy naphtha.

(b) Not including 1,568,388 gallons of heavy naphtha.

Table 16 - MATERIALS USED IN PETROLEUM REFINERIES, BY PROVINCES, 1936.

Materials	Unit of measure	QUEBEC
Crude oil, naphtha, absorption gasoline, etc., from Canadian wells (run to stills)	Imp.gal.	...
	\$...
Crude oil, in its natural state, imported (run to stills) - (a) From United States	Imp.gal.	258,004,907
	\$	12,489,281
(b) From other countries	Imp.gal.	190,903,764
	\$	7,549,166
Benzol for blending	Imp.gal.	51,151
	\$	8,281
Sulphuric acid, 66° Be	pound	497,642
	\$	4,561
Sulphur	pound	41,566
	\$	1,296
Caustic soda	pound	1,296,038
	\$	31,925
Soda ash	pound	13,036
	\$	251
Litharge	pound	12,820
	\$	774
Fullers' earth and clay	pound	4,510,835
	\$	57,227
Compounding materials .....	\$	...
Tetraethyl fluid	\$	468,715
Other materials	\$	42,177
Shipping containers	\$	40,189
TOTAL	\$	20,069,843

(\$ - Cost at works)

ONTARIO	MANITOBA	SASKAT- CHEWAN	ALBERTA	BRITISH COLUMBIA	OTHER PROVINCES
5,702,053	...	1,017,988	35,286,068	...	786,202
576,953	...	80,376	2,510,753	...	50,925
348,300,428	11,378,040	68,640,531	52,136,629	168,181,540	...
18,694,141	943,766	5,016,299	2,806,293	6,076,401	...
...	...	...	...	18,700,177	127,424,568
...	...	...	...	843,242	4,948,230
302,427	...	304	2,159	1,597	2,110
43,334	...	163	1,125	738	404
17,491,834	23,710	429,090	3,366,959	1,000,283	...
156,329	868	7,061	34,573	10,041	...
21,873	20	2,179	65,547	153	...
750	1	96	2,482	6	...
925,146	11,160	129,781	543,999	255,621	543,296
25,517	558	5,044	21,183	8,213	15,244
76,500	...	138,537	43,700	16,664	2,240
1,233	...	3,144	1,291	378	53
42,029	920	2,887	290,058	601	...
2,601	83	239	20,898	49	...
10,944,317	200	536,900	740,627	...	2,174,416
139,802	10	6,396	8,341	...	31,388
468,269	...	...	...	11,498	...
680,118	...	86,804	200,809	58,566	85,683
106,174	...	26,992	26,568	42,237	13,101
560,973	6,600	13,974	12,281	18,932	8,711
21,456,194	951,886	5,246,588	5,646,597	7,070,301	5,153,739

Table 17 - PRODUCTS MADE IN PETROLEUM REFINERIES, BY PROVINCES, 1936.

Products	Unit of measure	QUEBEC
<u>MADE FOR SALE -</u>		
Gasoline - (a) Straight run	Imp. gal.	107,966,329
		\$ 8,704,617
(b) By cracking process	Imp. gal.	111,783,081
		\$ 10,227,680
Fuel oil and gas oil	Imp. gal.	144,475,954
		\$ 5,337,631
Tractor and engine distillate	Imp. gal.	1,169,140
		\$ 84,580
V.M. & P. or solvent naphtha	Imp. gal.	2,990,229
		\$ 229,847
Kerosene	Imp. gal.	3,325,525
		\$ 274,345
Lubricating oil	Imp. gal.	499,490
		\$ 72,920
Grease	pound	...
Asphalt	Imp. gal.	14,156,825
		\$ 1,219,263
Petroleum coke	ton	1,460
		\$ 7,153
Wax and candles	pound	...
Other products .....		...
TOTAL for SALE		\$ 26,158,036
<u>MADE FOR OWN USE -</u>		
Gasoline - (a) Straight run	Imp. gal.	11,697
		\$ 899
(b) By cracking process	Imp. gal.	11,020
		\$ 1,377
Fuel oil (except for cracking) and gas oil ...	Imp. gal.	18,005,712
		\$ 631,732
V.M. & P. or solvent naphtha	Imp. gal.	...
		\$...
Kerosene	Imp. gal.	...
		\$...
Lubricating oil	Imp. gal.	4,263
		\$ 622
Tar	Imp. gal.	...
		\$...
Petroleum coke	ton	1,708
		\$ 8,370
Still gas	M cu. ft.	2,672,337
		\$ 606,698
Other products		75
TOTAL for OWN USE		\$ 1,249,773
GRAND TOTAL		\$ 27,407,809
Fuel and gas oil made for use in cracking process	Imp. gal.	70,837,712

(\$ = Selling value at works)

ONTARIO	MANITOBA	SASKAT- CHEWAN	ALBERTA	BRITISH COLUMBIA	OTHER PROVINCES
85,822,666	4,476,387	20,066,692	36,630,263	36,939,708	24,144,793
6,429,769	834,017	2,850,981	4,560,783	3,552,944	1,834,963
99,590,108	...	8,310,350	9,185,690	2,109,618	20,457,602
7,614,969	...	1,089,945	1,126,340	199,711	1,541,480
82,748,035	3,700,218	8,516,469	16,649,876	134,666,486	52,990,153
3,498,445	320,486	379,664	508,621	4,610,842	2,052,474
6,575,545	1,646,119	12,505,733	9,959,564	1,424,075	...
390,889	183,242	1,322,522	908,169	74,180	...
3,517,356	75,955	...	...	1,500,910	875,138
241,412	13,265	...	...	142,087	65,942
14,142,337	67,132	4,770,277	226,661	1,093,754	5,287,458
1,028,745	10,759	629,639	29,294	153,217	480,159
18,338,588	...	...	...	589,868	237,063
3,579,336	...	...	...	74,565	27,633
9,539,399	1,857,556	...	2,591	...	...
450,218	77,538	...	223	...	...
8,736,413	...	1,790,845	1,520,130	1,764,059	6,892,297
775,007	...	121,777	131,182	151,180	633,057
55,072	...	565	4,538	...	442
347,447	...	1,705	23,295	...	1,873
11,347,044	...	...	...	...	...
413,884	...	...	...	...	...
4,623	...	...	6,572	...	...
24,774,744	1,439,307	6,396,233	7,294,479	8,958,726	6,637,581
82,064	6,520	14,408	23,157	11,806	11,086
5,833	912	3,337	3,476	1,118	1,385
4,231	...	...	...	...	...
444	...	...	...	...	...
14,996,584	652,981	4,263,959	1,811,956	6,745,691	8,093,544
562,084	36,940	172,302	52,537	228,804	310,998
1,608	...	...	...	...	...
202	...	...	...	...	...
67,199	...	2,198	139	2,108	1,828
4,673	...	285	19	295	166
41,917	...	...	100	2,930	4,098
10,620	...	...	25	370	478
304,045	...	...	...	...	...
12,162	...	...	...	...	...
595	...	320	...	...	6
2,329	...	964	...	...	24
2,334,401	...	252,013	298,926	36,064	489,808
459,587	...	64,809	48,116	7,144	82,202
175,510	...	274	12,230	1,192	256
1,233,444	37,852	241,971	116,403	238,923	395,509
26,008,183	1,477,159	6,638,204	7,410,882	9,197,649	7,033,090
201,092,495	...	19,637,240	22,184,050	...	69,574,213

Table 18 - STOCKS ON HAND AT THE REFINERIES AT THE END OF 1936.

Crude petroleum - (a) In its natural state	Imp. gal.	107,142,712
(b) Not in its natural state ...	Imp. gal.	33,460
Gasoline (excluding casinghead for blending).....	Imp. gal.	90,033,791
Fuel and gas oil - (a) Not intended for further manufacture	Imp. gal.	66,709,896
(b) For pressure cracking operations	Imp. gal.	41,592,788
Tractor and engine distillate	Imp. gal.	6,475,730
Kerosene	Imp. gal.	8,144,835
Lubricating oil	Imp. gal.	4,783,050
Petroleum coke	short tons	3,739

Table 19 - CASINGHEAD GASOLINE IMPORTED AND USED FOR BLENDING AT THE REFINERIES,
1936.

Imported casinghead gasoline received at the refineries during the year	Imp. gal.	39,821,264
Cost at works \$		3,439,723
Imported casinghead gasoline used for blending during the year	Imp. gal.	41,208,973
Total refinery stocks of casinghead gasoline at end of year	Imp. gal.	5,231,507

(b) LUBRICATING OILS AND GREASES.

In 1936 reports were received from 13 factories which were engaged in the compounding of lubricating oils and greases; 9 were in Ontario, 3 in Quebec, and 1 in British Columbia.

Capital employed in 1936 was given at \$576,106; the average number of employees was 84; payments for salaries and wages totalled \$116,807; materials for compounding and containers for the finished products cost \$336,737; and the value of all products was \$629,382, including \$453,246 for lubricating oils, \$115,262 for lubricating greases, and \$60,874 for miscellaneous products.

Including the production from refineries, the total Canadian output of lubricating oils in 1936 was 20,439,318 gallons valued at \$4,219,815 compared with 19,219,297 gallons at \$4,113,248 in 1935. The total production of lubricating greases was 12,245,346 pounds at \$643,241 in 1936 and 12,085,840 pounds at \$628,131 in 1935.

Table 20 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, 1921 - 1936.

Years	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	492,550	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

Table 21 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, BY PROVINCES, 1935 and 1936.

Provinces	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>1935</u>							
Ontario	7	293,566	43	55,741	1,395	206,391	456,846
Quebec	4)	401,843	42	50,808	6,230	247,507	317,598
British Columbia	2)						
CANADA	13	695,409	85	106,549	7,625	453,898	774,444
<u>1936</u>							
Ontario	9	477,987	62	88,252	2,824	273,000	524,473
Quebec	3)	98,119	22	28,555	2,489	63,737	104,909
British Columbia	1)						
CANADA	13	576,106	84	116,807	5,313	336,737	629,382

Table 22 - CAPITAL EMPLOYED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1935 and 1936.

Provinces	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
	\$	\$	\$	\$
<u>1935</u>				
Ontario	108,876	90,368	94,322	293,566
Other provinces	285,225	94,559	22,059	401,843
CANADA	394,101	184,927	116,381	695,409

Table 22 - CAPITAL EMPLOYED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1935 and 1936 (concluded)

Provinces	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
	\$	\$	\$	\$
<u>1936</u>				
Ontario	188,052	181,650	108,285	477,987
Other provinces .	67,700	12,275	18,144	98,119
CANADA	255,752	193,925	126,429	576,106

Table 23 - EMPLOYEES, SALARIES AND WAGES IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1935 and 1936.

Provinces	Average number of employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
<u>1935</u>								
Ontario	22	6	14	1	43	42,482	13,259	55,741
Other provinces .	19	4	19	...	42	30,380	20,428	50,808
CANADA	41	10	33	1	85	72,862	33,687	106,549
<u>1936</u>								
Ontario	36	8	17	1	62	71,186	17,066	88,252
Other provinces .	9	3	10	...	22	19,598	8,957	28,555
CANADA	45	11	27	1	84	90,784	26,023	116,807

Table 24 - NUMBER OF WAGE-EARNERS IN THE LUBRICATING OILS AND GREASES INDUSTRY, BY MONTHS, 1936.

Months	Ontario	Other Provinces	CANADA
January	13	10	23
February	12	9	21
March	15	11	26
April	17	11	28
May	19	10	29
June	18	10	28
July	19	9	28
August	19	11	30
September	19	11	30
October	19	11	30
November	20	9	29
December	18	11	29
AVERAGE	18	10	28

Table 25 - TOTAL OF WAGE-EARNERS IN MONTH OF HIGHEST EMPLOYMENT, ACCORDING TO REGULAR HOURS WORKED PER WEEK, 1936.

Regular hours worked per week	Number of wage-earners	Regular hours worked per week	Number of wage-earners
40 hours or less	12	49 - 50 hours	2
44 hours	8	55 hours	4
45 - 47 hours	3	TOTAL	33
48 hours	4		

Table 26 - FUEL AND ELECTRICITY USED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1935 and 1936.

Kinds	Unit of measure	1935		1936	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Coal, anthracite	short ton	24	316	22	310
Coal, bituminous - Foreign ..	short ton	231	1,608	390	2,671
Fuel oil	Imp. gal.	111,020	2,918	...	...
Wood	cord	47	390	53	477
Manufactured gas	M cu.ft.	213	228	214	217
Electricity purchased	K.W.H.	79,496	2,165	73,315	1,628
TOTAL .....	\$	...	7,625	...	5,313

Table 27 - POWER EQUIPMENT IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1935 and 1936.

	1935		1936	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	3	58	2	8
Total Primary (all in use)	3	58	2	8
Electric motors run by purchased power	15	49	15	49
TOTAL (all in use)	18	107	17	57
Boilers	6	303	3	118

Table 28 - MATERIALS USED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1935 and 1936.

Materials	Unit of measure	1935		1936	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Compounding stocks (mineral oils, animal oils, etc.)	Imp. gal.	1,155,130	350,993	833,954	210,210
Tallow and grease	pound	293,449	21,630	317,484	21,301
All other materials	xxx	...	21,552	...	68,867
Shipping containers	xxx	...	59,723	...	36,359
TOTAL .....	\$	...	453,898	...	336,737

Table 29 - PRODUCTS MADE IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1935 and 1936.

Products	Unit of measure	1935		1936	
		Quantity	Selling value at works	Quantity	Selling value at works
			\$		\$
Greases, lubricating ...	lb.	727,324	112,431	845,800	115,262
Oils, lubricating	gal.	1,355,690	616,956	721,001	453,246
Soaps and soap powders .	lb.	347,762	32,692	...	30,437
All other products	xx	...	12,365	...	30,437
TOTAL .....	\$	...	774,444	...	629,382

Table 30 - IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND

(a) IMPORTS

Oil, imported by miners or mining companies or concerns, for use in the concentration of ores of metals in their own concentrating establishments -	
Crude petroleum, gas oils, other than naphtha, benzine and gasoline, lighter than .8235 but not less than .775 specific gravity at 60° temperature (To April 30, 1936)	-
Crude petroleum in its natural state, .7900 specific gravity or heavier at 60° temperature, when imported by oil refiners to be refined in their own factories (To April 30, 1936)	-
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 (From May 1, 1936)	-
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 (From May 1, 1936)	-
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° Fahrenheit when imported by oil refiners to be refined	-
Petroleum (not including crude petroleum imported to be refined, or illuminating or lubricating oils) .8235 specific gravity or heavier at 60° Fahrenheit (fuel oil) (To April 30, 1936)	-
Crude petroleum, n.o.p. (From May 1, 1936)	-
Fuel oil, ex-warehoused for ships' stores	-
Illuminating oils composed wholly or in part of the products of petroleum, coal, shale or lignite, costing more than thirty cents per gallon (To April 30, 1936)	-
Coal oil and kerosene lighter than .8236 specific gravity at 60° temperature, n.o.p.	-
Engine distillate .8017 specific gravity or heavier at 60° temperature	-
Gasoline lighter than .8236 specific gravity at 60° temperature	-
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	-
Lubricating oils, composed wholly or in part of petroleum, and costing less than 25 cents per gallon	-
Lubricating oils, n.o.p.	-
All other oils, n.o.p.	-
Products of petroleum, n.o.p., .8236 specific gravity (40.3° A.P.I.) or heavier at 60° Fahrenheit (From May 1, 1936)	-
Grease, axle	-
Vaseline and all similar preparations of petroleum, for toilet, medicinal or other purposes	-
Paraffine wax	-
Paraffine wax candles	-
Naphtha and products of petroleum, n.o.p., lighter than .8235 specific gravity at 60° temperature (To April 30, 1936)	-
Products of petroleum, n.o.p., lighter than .8236 specific gravity at 60° temperature (From May 1, 1936)	-
Liquefied petroleum gases for heating, cooking or illuminating purposes when imported in containers (From May 1st, 1936)	-

THEIR PRODUCTS, 1935 and 1936.

Unit of measure	1 9 3 5		1 9 3 6	
	Quantity	Value \$	Quantity	Value \$
Imp. gal.	68,155	49,354	105,052	83,470
Imp. gal.	29,797	1,728	10,366	682
Imp. gal.	1,156,788,480	33,816,433	220,312,360	6,881,369
Imp. gal.	...	...	1,024,350,283	32,301,227
Imp. gal.	...	...	9,341,344	418,526
Imp. gal.	1,098,559	66,558	69,202	3,864
Imp. gal.	30,887,850	1,108,762	4,954,374	187,056
Imp. gal.	...	...	2,661,344	78,294
Imp. gal.	18,389,862	507,283	24,048,703	692,951
Imp. gal.	3,337	1,120	970	372
Imp. gal.	1,269,150	111,667	1,360,721	116,057
Imp. gal.	83,962	8,731	1,220,037	93,158
Imp. gal.	19,614,867	1,661,306	19,077,873	1,643,152
Imp. gal.	48,417,345	2,889,814	39,399,113	2,452,358
Imp. gal.	10,232,069	1,457,333	11,049,911	1,738,131
Imp. gal.	3,019,201	1,188,992	3,247,038	1,208,579
Imp. gal.	3,103,221	233,680	338,791	84,265
Imp. gal.	...	...	16,089,423	602,123
pound	3,973,299	203,310	4,950,846	262,226
\$	...	252,740	...	303,149
pound	5,234,224	196,118	4,291,834	184,450
pound	164,500	30,737	195,458	33,873
Imp. gal.	1,922,743	165,278	603,004	56,008
Imp. gal.	...	...	1,532,122	143,520
\$	...	...	...	4,953

Table 30 - IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND

(a) IMPORTS (concluded)

Asphaltum or asphalt, solid	-
Asphalt, not solid	-
Asphalt oil for paving purposes only	-
Coke, petroleum	-
TOTAL - PETROLEUM, ASPHALT AND THEIR PRODUCTS	-

(b) EXPORTS

Oil, petroleum, crude	-
Oil, coal and kerosene, refined	-
Oil, gasoline and naphtha	-
Fuel oil and other mineral oils, n.o.p. (To March 31, 1935)	-
Fuel oil (From April 1, 1935)	-
Oil, mineral, n.o.p. (From April 1, 1935)	-
Wax, mineral	-
Coke, petroleum (From April 1, 1935)	-
TOTAL - PETROLEUM AND ITS PRODUCTS	-

(c) RE-EXPORTS

Kerosene	-
Gasoline	-
Fuel oil	-
Oil, mineral, n.o.p.	-
Wax, mineral	-
Petroleum coke (From April 1, 1935)	-
TOTAL - RE-EXPORTS	-

THEIR PRODUCTS, 1935 and 1936. (concluded)

Unit of measure	1 9 3 5		1 9 3 6	
	Quantity	Value \$	Quantity	Value \$
Cwt.	120,024	126,979	125,048	145,527
Imp. gal.	113,104	12,265	37,810	4,518
Imp. gal.	29,035	2,338	42,497	3,250
Tons	81,761	534,888	88,241	667,116
\$	...	44,627,414	...	50,394,304
Imp. gal.	897	132	216	9
Imp. gal.	806,760	99,783	631,681	93,267
Imp. gal.	3,357,902	413,469	3,378,983	509,150
Imp. gal.	686,393	34,364	...	...
Imp. gal.	8,349,733	240,577	19,412,825	654,928
Imp. gal.	465,697	110,177	614,332	181,777
Cwt.	5,829	26,022	375	1,830
Tons	8,589	149,548	14,548	250,195
\$	...	1,074,072	...	1,691,156
Imp. gal.	42	14	...	...
Imp. gal.	10,826	1,646	20,797	2,781
Imp. gal.	9,316	792	...	...
Imp. gal.	1,980	1,572	4,146	2,048
Cwt.	4	193	585	1,306
Tons	7,651	144,754	21,115	328,386
\$	...	148,971	...	334,521

Table 31 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES IN CANADA, 1918-1936.

Years	Crude oil used		Years	Crude oil used	
	Imp. gal.			Imp. gal.	
1918	261,742,274		1928	849,933,770	
1919	301,006,553		1929	1,072,828,496	
1920	295,576,527		1930	1,064,434,974	
1921	373,469,418		1931	1,074,788,038	
1922	394,139,055		1932	930,114,055	
1923	408,810,739		1933	1,044,210,850	
1924	467,144,634		1934	1,109,510,343	
1925	445,115,694		1935	1,196,411,443	
1926	585,466,329		1936	1,286,462,895	
1927	716,369,890				

Table 32 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES SHOWING CANADIAN AND IMPORTED, SEPARATELY, 1926-1936.

Years	Canadian(a)	Imported(b)	TOTAL
	Imp. gal.	Imp. gal.	Imp. gal.
1926	12,203,286	573,263,043	585,466,329
1927	15,632,271	700,737,619	716,369,890
1928	20,324,814	829,608,956	849,933,770
1929	37,338,402	1,035,490,094	1,072,828,496
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	37,340,321	892,773,734	930,114,055
1933	32,404,139	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	42,792,311	1,243,670,584	1,286,462,895

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

(b) Includes reduced crude.

Table 33 - PRODUCTION OF CRUDE PETROLEUM IN CANADA, 1935 and 1936.

Areas	1935		1936	
	Barrels	Value	Barrels	Value
NEW BRUNSWICK	12,954	\$ 18,230	17,112	\$ 24,075
ONTARIO -				
Petrolia and Enniskillen	59,282	123,403	59,092	124,088
Oil Springs	31,646	68,926	31,795	69,947
Moore Township	3,264	6,783	3,200	6,720
Sarnia Township	871	1,810	584	1,226
Plympton Township	237	493	248	521
Bothwell Township	34,714	72,136	36,534	76,719
West Dover	13,117	27,257	15,536	32,625
Onondaga	431	874	262	609
Mosa Township	8,788	18,262	8,182	17,182
Brooke	122	254	...	...
Dunwich	408	848	307	645
Raleigh and Tilbury East	195	405	1,126	2,364
Thamesville	428	889	458	962
Dawn and Euphemia	11,538	23,976	8,171	17,159
TOTAL for ONTARIO	165,041	346,156	165,495	350,767

Table 33 - PRODUCTION OF CRUDE PETROLEUM IN CANADA, 1935 and 1936 (concluded)

Areas	1935		1936	
	Barrels	Value \$	Barrels	Value \$
<u>ALBERTA -</u>				
Turner Valley	1,234,872	3,071,951	1,278,000	3,180,000
Red Coulee	14,772	18,847	17,000	21,700
Wainwright-Skiff	13,866	11,429	15,000	12,500
TOTAL for ALBERTA	1,263,510	3,102,227	1,310,000	3,214,200
<u>NORTHWEST TERRITORIES</u>	5,115	25,575	5,399	26,995
CANADA	1,446,620	3,492,188	1,498,006	3,616,037

NOTE - 1 barrel = 35 imperial gallons.

Table 34 - PRODUCTION OF GASOLINE IN CANADA, 1926 - 1936.

Years	Straight run Imp. gal.	By cracking Imp. gal.	TOTAL Imp. gal.	Per cent of
				total made by cracking
1926	152,307,473	69,839,231	222,146,704	31
1927	184,818,378	73,731,346	258,549,724	29
1928	226,954,319	117,175,342	344,129,861	34
1929	303,973,918	132,646,696	436,620,614	30
1930	276,284,656	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

Table 35 - AVERAGE WHOLESALE TANK WAGON PRICES FOR GASOLINE, ETC., BY MONTHS, 1936.

Months	Halifax	Montreal	Toronto	Winnipeg	Regina	Calgary	Vancouver
	\$	\$	\$	\$	\$	\$	\$
<u>Gasoline -</u>							
January .....	.170	.115	.140	.217	.230	.225	.190
February .....	.170	.135	.150	.222	.235	.230	.190
March .....	.170	.135	.150	.222	.235	.230	.190
April .....	.170	.135	.150	.222	.235	.230	.190
May .....	.170	.135	.150	.222	.235	.230	.190
June .....	.170	.135	.150	.222	.235	.230	.190
July .....	.170	.135	.150	.212	.225	.220	.180
August .....	.170	.135	.150	.212	.225	.220	.180
September .....	.170	.135	.150	.212	.225	.220	.180
October .....	.160	.125	.150	.212	.225	.210	.150
November .....	.160	.125	.150	.212	.225	.210	.150
December .....	.160	.125	.150	.212	.225	.210	.150
YEARLY AVERAGE .	.168	.131	.140	.217	.230	.222	.178
Kerosene .....	.193	.175	.149	.207	.220	.215	.235
Fuel oil, light ..	...	...	.081	...	...	...	...
Lubricating oils (Atlantic red oil)	...	...	.303	...	...	...	...

Table 36 - APPARENT CONSUMPTION IN CANADA OF GASOLINE, FUEL OIL, ENGINE DISTILLATE, KEROSENE AND LUBRICATING OIL, 1934, 1935 and 1936.

	Fuel and gas oils(a) Imp. gal.	Gasoline (c) Imp. gal.	Lubricating oils Imp. gal.	Kerosene Imp.gal.	Tractor and engine distillate Imp. gal.
<u>1934</u>					
Production	(b) 455,995,325	461,753,363	19,472,448	37,741,993	
Plus imports	56,622,723	61,581,870	10,521,324	1,985,739	
	512,618,048	523,335,233	29,993,772	39,727,732	
Less exports and re-exports	5,438	4,762,672	...	782,350	
	512,612,610	518,572,561	29,993,772	38,945,382	
Plus decline in refinery stocks ..	...	6,050,080	...	3,782,146	
	512,610,610	524,622,641	29,993,772	42,727,528	
Less increase in refinery stocks ..	9,552,005	...	3,059,978	...	
APPARENT CONSUMPTION	503,060,605	524,622,641	26,933,794	42,727,528	
<u>1935</u>					
Production	(b) 469,969,708	513,716,004	19,219,297	31,833,717	39,431,237
Plus imports	49,277,712	68,032,212	13,251,270	1,272,487	83,962
	519,247,420	581,748,216	32,470,567	33,106,204	39,515,199
Less exports and re-exports	8,359,049	3,368,728	...	806,802	...
	510,888,371	578,379,488	32,470,567	32,299,402	39,515,199
Plus decline in refinery stocks ..	...	...	330,056	...	...
	510,888,371	578,379,488	32,800,623	32,299,402	39,515,199
Less increase in refinery stocks ..	5,044,245	14,238,716	...	1,130,640	1,485,049
APPARENT CONSUMPTION	505,844,126	564,140,772	32,800,623	31,168,762	38,030,150
<u>1936</u>					
Production	498,317,618	567,659,276	20,439,318	28,986,616	33,280,176
Plus imports	45,092,500	58,476,986	14,296,949	1,361,691	1,220,037
	543,410,118	626,136,262	34,736,267	30,348,307	34,500,213
Less exports and re-exports	19,412,825	3,399,780	...	631,681	...
	523,997,293	622,736,482	34,736,267	29,716,626	34,500,213
Plus decline in refinery stocks ..	8,288,296	...	87,457	1,422,359	844,307
	532,285,589	622,736,482	34,823,724	31,138,985	35,344,520
Less increase in refinery stocks ..	...	8,569,821	...	...	...
APPARENT CONSUMPTION	532,285,589	614,166,661	34,823,724	31,138,985	35,344,520

AVAILABLE

NOT

(a) Imports 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 1934, the amount under this item was 23,481,946 gallons, in 1935, 18,389,862 gallons, and in 1936, 24,048,703 gallons.

(b) Exclusive of fuel oil for cracking operations but including fuel oil used by refineries for power or heating purposes.

(c) Production figures for gasoline do not include absorption gasoline or Turner Valley naphtha sold to consumers at the wells. These gallonages, however, are probably included in the gross sales of gasoline as compiled from taxes paid to the Alberta Government (Table 38); engine and tractor distillate is also taxable in this province.

Table 37 - APPARENT CONSUMPTION OF FUEL OIL, GASOLINE, KEROSENE, ENGINE DISTILLATE, and LUBRICATING OILS, 1920 - 1936.

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

Years	Fuel and gas oils	Gasoline	Engine distillate	Kerosene	Lubricating oils
	(Imperial gallons)				
1920	216,707,656	94,334,133		67,883,829	29,564,092
1921	185,729,965	159,379,748		68,160,649	29,286,776
1922	172,744,361	184,068,277		78,722,847	25,161,654
1923	246,280,451	172,889,742		70,073,769	25,318,579
1924	253,104,267	232,324,241		65,214,433	23,975,888
1925	272,861,288	246,986,374		48,774,434	24,235,590
1926	299,069,417	300,949,380		61,759,997	28,182,731
1927	387,344,567	363,927,380		57,585,207	31,464,944
1928	435,327,021	483,798,833		58,649,530	35,781,341
1929	516,271,783	606,934,668		52,516,909	41,851,437
1930	513,137,434	601,736,656		47,130,034	34,394,696
1931	488,371,080	565,266,046		46,543,627	29,270,337
1932	460,366,156	505,231,853		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		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	614,166,661	35,344,520	31,138,985	34,823,724

NOT AVAILABLE

(x) No record of refinery stocks prior to 1931.

Table 38 - GROSS SALES OF GASOLINE IN CANADA, BY PROVINCES, 1932 - 1936.

(Gross Sales = Imperial gallons sold for all purposes, according to returns under the provincial gasoline tax Acts)

Provinces	1932	1933	1934	1935	1936
Prince Edward Island .	2,692,351	2,518,812	2,639,856	2,832,750	3,088,910
Nova Scotia	19,021,209	18,634,875	20,016,109	22,274,254	25,247,957
New Brunswick	13,671,394	12,574,097	13,640,325	15,185,003	17,477,029
Quebec	91,128,040	87,077,418	93,511,483	102,177,506	109,835,482
Ontario	233,945,231	228,415,717	252,976,407	272,680,687	282,827,724
Manitoba	26,185,160	24,868,846	27,678,221	28,448,689	30,561,665
Saskatchewan	33,635,929	31,837,173	36,784,519	39,166,282	45,966,233
Alberta	41,300,236	40,323,781	45,194,297	47,442,690	60,387,814
British Columbia	39,458,159	38,689,475	42,337,785	43,410,411	48,723,037
TOTAL GROSS SALES ..	501,037,709	484,940,194	534,779,002	573,618,272	624,115,851
REFUNDS	62,281,861	63,244,154	57,868,513	73,214,746	91,260,543
TOTAL NET SALES	438,755,848	421,696,040	476,910,489	500,403,526	532,855,308

Table 39 - GROSS SALES OF GASOLINE IN CANADA, BY MONTHS, 1932 - 1936.
(Gross Sales - Imperial gallons sold for all purposes, according to returns under the provincial gasoline tax Acts).

Months	1932	1933	1934	1935	1936
January	25,198,893	27,383,444	24,299,551	26,412,185	27,728,100
February	26,742,284	22,440,854	22,197,254	24,057,084	23,879,349
March	26,695,250	26,293,775	26,157,726	28,183,675	28,416,716
April	35,165,374	30,595,956	35,442,889	39,048,308	41,868,840
May	47,013,144	43,093,015	46,309,399	50,769,767	57,754,193
June	50,996,451	48,992,755	53,587,109	59,172,138	65,611,294
July	51,519,110	56,589,081	61,877,965	67,158,002	70,395,637
August	61,445,860	61,942,393	63,314,862	64,425,724	75,456,062
September	63,507,468	60,480,329	63,568,981	70,584,557	74,486,006
October	43,373,998	43,390,893	56,460,241	59,636,448	64,363,792
November	40,218,080	35,557,572	46,855,265	47,013,876	51,365,992
December	29,161,797	28,180,127	34,707,760	37,156,508	42,789,870
TOTAL	501,037,709	484,940,194	534,779,002	573,618,272	624,115,851

Table 40 - NET SALES OF GASOLINE IN CANADA, BY PROVINCES, 1932 - 1936.
(Net Sales = Gallons sold on which no refunds have been granted, chiefly for motor vehicles).

Provinces	1932	1933	1934	1935	1936
(Imperial gallons)					
Prince Edward Island	2,263,020	2,101,204	2,201,905	2,104,901	2,484,445
Nova Scotia	16,365,564	15,843,685	17,190,498	19,526,958	22,322,829
New Brunswick	12,860,471	11,062,961	11,741,220	13,053,657	15,042,044
Quebec	84,651,891	80,511,245	88,223,973	94,251,686	103,662,080
Ontario	217,593,086	214,397,088	239,500,357	255,632,086	260,721,064
Manitoba	21,517,430	21,797,740	25,983,163	26,497,237	28,578,031
Saskatchewan	21,998,369	19,241,325	27,015,504	25,210,670	29,308,886
Alberta	30,220,478	27,277,911	32,525,148	30,261,287	32,861,958
British Columbia ...	31,285,539	29,462,881	32,528,721	33,865,044	37,873,971
CANADA	438,755,848	421,696,040	476,910,489	500,403,526	532,855,308

Table 41 - GROSS MONTHLY SALES OF GASOLINE IN CANADA, BY MONTHS, 1936, and TOTAL for 1935. (In thousands of gallons)

Months	P.	N.S.	N.B.	Que-	On-	Mani-	Sas-	Al-	Br.	TOTAL
	E.										bec	tario	kat-	ber-	Chew-	Colu-	bia
January ..	26	932	381	4,762	14,396	1,283	825	2,036	3,087	27,728
February..	29	648	371	3,893	13,002	1,121	645	1,543	2,628	23,880
March	60	953	525	4,746	15,023	1,146	764	2,157	3,042	28,416
April	177	1,854	1,071	7,567	20,899	1,585	1,969	3,178	3,569	41,869
May	334	2,363	1,503	10,175	24,946	2,521	5,228	6,600	4,084	57,754
June	406	2,739	1,918	12,135	28,590	3,244	5,144	6,861	4,574	65,611
July	403	3,178	2,311	13,111	31,684	3,587	5,211	5,659	5,252	70,396
August ...	443	3,232	2,433	13,770	32,503	3,955	6,786	6,991	5,343	75,456
September.	390	2,757	2,341	12,752	30,590	3,927	8,125	8,750	4,854	74,486
October ..	369	2,691	2,133	11,399	27,617	3,463	5,495	6,699	4,498	64,364
November .	255	2,083	1,518	9,206	23,148	2,478	3,448	5,254	3,976	51,366
December .	197	1,818	972	6,319	20,430	2,252	2,326	4,660	3,816	42,790
TOTAL FOR 1936	3,089	25,248	17,477	109,835	282,828	30,562	45,966	60,388	48,723	624,116
TOTAL FOR 1935	2,832	22,274	15,185	102,178	272,681	28,449	39,166	47,443	43,410	573,618

Table 42 - REVENUES FROM GASOLINE TAXES, BY PROVINCES, 1933 - 1936.

Provinces	1933	1934	1935	1936(x)
	\$	\$	\$	\$
Prince Edward Island	166,831	174,485	173,687	200,854
Nova Scotia	933,571	1,303,046	1,422,542	1,760,209
New Brunswick	865,790	852,199	1,006,421	1,149,129
Quebec	4,952,764	5,127,448	5,666,442	6,272,064
Ontario	12,852,577	13,828,051	15,021,994	16,049,857
Manitoba	1,643,600	1,770,900	1,795,900	2,051,200
Saskatchewan	1,289,989	1,715,053	1,862,300	1,951,834
Alberta	1,739,240	1,960,349	2,048,272	2,380,088
British Columbia	2,023,403	2,323,322	2,530,087	2,717,201
CANADA	26,467,765	29,054,853	31,532,645	34,532,436

(x) 1936 data are subject to revision.

Table 43 - DATES WHEN GASOLINE ACTS BECAME EFFECTIVE AND RATES OF TAX.

Provinces	Dates 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
Nova Scotia	April 23, 1937	10
	March 15, 1926	3
	March 11, 1927	5
	April 1, 1932	6
New Brunswick	May 1, 1934	8
	April 30, 1926	3
	December 1, 1928	5
	April 1, 1932	7
Quebec	April 1, 1934	8
	April 1, 1924	2
	April 1, 1925	3
	April 1, 1928	5
Ontario	December 17, 1931	6
	May 11, 1925	3
	March 27, 1929	5
Manitoba	March 25, 1932	6
	April 27, 1923	1
	March 5, 1925	3
	April 14, 1930	5
	May 7, 1932	7 (refund 5 cents)

Table 43 - DATES WHEN GASOLINE ACTS BECAME EFFECTIVE AND RATES OF TAX.
(concluded)

Provinces	Dates gasoline tax rates became effective	Rates per gallon(x) cents
Saskatchewan	May 1, 1928	3
	April 1, 1930	5
	May 1, 1932	6 (refund 5 cents) (✓)
	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.

(✓) Effective January 1, 1933.

Table 44 - REGISTRATIONS(x) OF MOTOR VEHICLES IN CANADA, 1904 - 1936.

Years	Number	Years	Number
1904	535	1921	464,805
1905	565	1922	509,382
1906	1,447	1923	575,985
1907	2,148	1924	645,263
1908	3,054	1925	724,048
1909	4,809	1926	832,268
1910	9,158	1927	939,651
1911	21,783	1928	1,069,343
1912	36,429	1929	1,187,331
1913	54,380	1930	1,232,489
1914	74,246	1931	1,200,668
1915	95,284	1932	1,113,533
1916	128,328	1933	1,083,178
1917	203,502	1934	1,129,532
1918	276,893	1935	1,176,126
1919	342,433	1936	1,240,124(xx)
1920	408,790		

(x) Includes motor cycles, road tractors and government and municipal motor vehicles.

(xx) 1936 data subject to revision.

Table 45 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, BY PROVINCES, 1932 - 1936.

Provinces	1932	1933	1934	1935	1936
	Number	Number	Number	Number	Number
Prince Edward Island ...	6,982	6,940	7,206	8,231	7,632
Nova Scotia	41,153	40,443	41,932	43,952	46,179
New Brunswick	28,044	26,842	29,094	31,227	33,402
Quebec	165,730	160,012	165,526	170,644	181,628
Ontario	531,597	520,353	542,245	546,076	590,226
Manitoba	71,570	68,740	70,430	70,660	74,940
Saskatchewan	91,275	84,734	91,461	94,792	102,270
Alberta	86,878	86,110	89,369	93,870	97,468
British Columbia	91,042	88,554	92,021	98,411	106,079
Yukon	232	229	248	263	300
CANADA	1,114,503	1,082,957	1,129,532	1,176,126	1,240,124

Table 46 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, BY TYPES, 1936.

Provinces	Passenger cars	Taxi-cabs	Motor trucks	Motor buses	Motor cycles	Ambulances, hearses, etc.	TOTAL
Prince Edward Island ...	6,746	(x)	852	13	21	...	7,632
Nova Scotia	37,478	(x)	8,338	67	296	...	46,179
New Brunswick	27,731	(x)	5,288	88	176	119	33,402
Quebec	143,035	5,339	30,075	563	2,498	118	181,628
Ontario	514,211	(x)	70,693	769	4,553	...	590,226
Manitoba	61,380	350	12,380	170	660	...	74,940
Saskatchewan	81,230	289	20,220	87	444	...	102,270
Alberta	79,185	353	17,310	91	529	...	97,468
British Columbia	84,062	(x)	19,524	304	1,635	554	106,079
Yukon	140	(x)	118	2	13	27	300
CANADA	1,035,198	6,331	184,798	2,154	10,825	818	1,240,124

(x) Included with passenger automobiles.

Table 47 - NUMBER OF TRACTORS ON CANADIAN FARMS, ACCORDING TO THE DECENNIAL CENSUS TAKEN ON JUNE 1, 1931.

Provinces	Number of tractors reported	Number of farms reporting tractors
Prince Edward Island	176	169
Nova Scotia	424	415
New Brunswick	289	279
Quebec	2,417	2,356
Ontario	18,993	18,318
Manitoba	14,366	12,983
Saskatchewan	43,308	39,434
Alberta	23,985	21,996
British Columbia	1,402	1,312
CANADA	105,360	97,262

Table 48 - PETROLEUM FUELS MARKETED IN CANADA, BY PROVINCES, 1930 - 1935.
(Calendar Years - Million Imperial gallons - Thousands short tons of Coke)

NOTE - Figures taken from "Petroleum Fuels in Canada" issued by the Bureau of Mines, Department of Mines and Resources, Ottawa. (Data for 1936 are not yet available).

	Fuel oil(a)	Kerosene	Gasoline (motor fuel)(b)	TOTAL (a)	Per cent	Petro- leum coke
<u>1 9 3 5</u>						
N. B. and P.E.I.....	10	2	18	30	3	...
Nova Scotia	28	2	22	52	5	0.6
Quebec	135	5	102	242	23	2.4
Ontario	74	8	273	355	34	67.3
Manitoba	12	3	29	44	4	...
Saskatchewan	21	8	39	68	6	6.0
Alberta and N.W.T.	18	5	48	71	7	3.6
B.C. and Yukon	149	2	43	194	18	...
TOTAL	447	35	574	1,056	...	79.9
Per cent	42	3	55	...	100	...
<u>1 9 3 4</u>						
N. B. and P.E.I.	11	2	17	30	3	Nil
Nova Scotia	33	2	20	55	6	0.3
Quebec	123	5	93	221	22	1.3
Ontario	85	9	253	347	35	36.2
Manitoba	9	4	28	41	4	Nil
Saskatchewan	11	6	37	54	5	13.7
Alberta and N.W.T.	17	6	45	68	7	2.5
B.C. and Yukon	136	2	42	180	18	2.4
TOTAL	425	36	535	996	...	56.4
Per cent	42	4	54	...	100	...
<u>1 9 3 3</u>						
TOTAL	368	42	484	894	...	82.2
Per cent	42	4	54	...	100	...
<u>1 9 3 2</u>						
TOTAL	389	45	501	935	...	93.8
Per cent	41	5	54	...	100	...
<u>1 9 3 1</u>						
TOTAL	399	52	556	1,007	...	80.2
Per cent	40	5	55	...	100	...
<u>1 9 3 0</u>						
TOTAL	425	45	582	1,052	...	...
Per cent	40	4	56	...	100	...

(a) Data exclude 52 million gallons of fuel oil consumed in oil refineries during 1935, 54 in 1934, 56 in 1933, 53 in 1932, 55 in 1931, and 59 in 1930.
(b) Gasoline data are quoted from the Dominion Bureau of Statistics annual reports on "The Highway and Motor Vehicle in Canada"

Table 49 - COMPARATIVE SUMMARY OF FUEL OIL DELIVERIES, BY PROVINCES, 1930 - 1935.
 (Prepared from distributors' and importers' receipts - Imperial gallons -
 Calendar years)

NOTE - Figures taken from "Petroleum Fuels in Canada" issued by the Bureau of
 Mines, Department of Mines and Resources, Ottawa. (Data for 1936 are not
 yet available).

Area	Product of Canadian refineries	Product of foreign refineries (importa- tions)	TOTAL FUEL OIL DELIVERED (a)	Respective percentages of total	Inventory December 31 (c)
<u>1 9 3 5</u>					
N.B. and P.E.I. ...	9,478,594	108,343	9,586,937	2.1 0.1 2.2	3,332,905
Nova Scotia	28,524,267	1,037	28,525,304	6.4 ... 6.4	7,638,323
Quebec	119,932,749	14,612,482	134,545,231	26.8 3.3 30.1	50,435,564
Ontario	73,854,736	463,274	74,318,010	16.5 0.1 16.6	64,915,613
Manitoba	12,427,920	113,953	12,541,873	2.8 ... 2.8	1,664,344
Saskatchewan	20,643,799	357,048	21,000,847	4.6 0.1 4.7	6,933,976
Alta. (and N.W.T.) ..	16,624,594	947,137	17,571,731	3.7 0.2 3.9	3,562,875
B.C. (and Yukon) ..	99,567,910	49,368,884	148,936,794	22.3 11.0 33.3	20,110,838
TOTAL	381,054,569	65,972,158	447,026,727	85.2 14.8 100.0	158,594,438
<u>1 9 3 4</u>					
N.B. and P.E.I. ...	10,841,573	340,360	11,181,933	2.6 0.1 2.7	1,627,752
Nova Scotia	32,993,611	Nil	32,993,611	7.8 Nil 7.8	9,427,811
Quebec	114,026,526	9,293,682	123,320,208	26.8 2.2 29.0	46,623,275
Ontario	83,669,761	1,454,105	85,123,866	19.7 0.3 20.0	63,525,973
Manitoba	8,544,927	131,308	8,676,235	2.0 ... 2.0	1,842,370
Saskatchewan	10,314,479	328,060	10,642,539	2.4 0.1 2.5	4,901,071
Alta. (and N.W.T.) ..	15,608,174	919,128	16,527,302	3.7 0.2 3.9	1,271,794
B.C. (and Yukon) ..	91,444,403	44,970,549	136,414,952	21.5 10.6 32.1	20,929,234
TOTAL	367,443,454	57,437,192	424,880,646	86.5 13.5 100.0	150,149,280
<u>1 9 3 3</u>					
TOTAL	301,231,406	67,395,737	368,627,143	81.7 18.3 100.0	111,547,323
<u>1 9 3 2</u>					
TOTAL	310,850,610	78,555,838	389,406,448	79.8 20.2 100.0	83,213,613
<u>1 9 3 1</u>					
TOTAL	329,532,490	69,881,184	399,413,674	82.5 17.5 100.0	91,433,877
<u>1 9 3 0</u>					
TOTAL	351,848,440	72,978,500	424,826,940	82.8 17.2 100.0	83,391,753

Fuel oil of all grades heavier than 42° A.P.I. processed from petroleum.

(a) Data exclude 52,128,000 gallons in 1935; 54,374,000 gallons in 1934; 56,343,000 gallons in 1933; 53,459,000 gallons in 1932; 54,552,000 gallons in 1931; and 59,308,000 gallons in 1930, which were produced and used in Canadian refineries for fuel.

(b) Revised.

(c) Inventory at refineries, warehouses, jobbers' and large consumers' storages.

Table 50 - FUEL OIL DELIVERIES BY SPECIFIC USES, 1930 - 1935. (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, includes distribu- tors' tankers	TOTAL DELIVERIES Imperial gallons	Per cent of yearly total
	Domestic cus- tomers	Quantity						
<u>1 9 3 5</u>								
N.B. and P.E.I. ..	1,906	3,589,537	3,751,200	...	834,426	1,411,774	9,586,937	2.2
Nova Scotia	3,650	4,366,412	6,023,697	46,908	86,021	18,002,266	28,525,304	6.4
Quebec	8,602	39,900,315	30,980,828	581,216	1,926,803	61,156,069	134,545,231	30.1
Ontario	23,440	36,495,447	28,205,006	4,136,613	1,038,094	4,442,850	74,318,010	16.6
Manitoba	1,061	2,348,475	1,771,149	7,424,516	969,545	28,188	12,541,873	2.8
Saskatchewan	293	1,195,242	5,488,030	14,173,130	144,445	...	21,000,847	4.7
Alberta (and N.W.T.)	42	261,696	1,953,026	7,871,013	7,448,898	37,098	17,571,731	3.9
B.C. (and Yukon) ..	6,450	20,995,654	41,422,080	58,667	34,453,261	52,007,132	148,936,794	33.3
TOTAL - 1935	45,444	109,152,778	119,595,016	34,292,063	46,901,493	137,085,377	447,026,727	100.0
TOTAL - 1934	55,290	109,743,672	95,099,427	22,395,115	50,737,946	146,994,486	424,880,646	100.0
TOTAL - 1933	53,221	99,796,758	83,657,518	12,670,942	43,489,378	129,012,547	368,627,143	...
TOTAL - 1932	36,978	77,557,558	82,235,631	12,590,275	56,991,888	160,031,096	389,406,448	...
TOTAL - 1931	32,435	73,250,256	108,819,912	3,593,256	57,745,933	156,004,317	399,413,674	...
TOTAL - 1930 ....	...	74,375,566	115,323,463	4,306,567	73,728,047	157,093,297	424,826,940	...

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 records under railways and bunkering were taken from, or accepted at delivery points within these areas, but were consumed by carriers where required.

Data for 1936 are not yet available.

Table 51 - SALE OF PETROLEUM COKE, 1931 - 1935. (As fuel only, not as material).
(Calendar Years - Short Tons)

NOTE - Figures taken from "Petroleum Fuels in Canada" issued by the Bureau of Mines, Department of Mines and Resources, Ottawa. (Data for 1936 are not yet available).

Area	Fuel for Domestic heating(a)	Fuel for Industrial heating(b)	TOTAL short tons	Inventory December 31 (a)
<u>1 9 3 5</u>				
Maritimes	554	8	562	Nil
Quebec	688	1,719	2,407	24,087
Ontario	58,937	8,368	67,305	58,758
Western provinces	3,234	6,381	9,615	2,196
Canadian	57,649	16,476	74,125	18,751
Imported	5,764	Nil	5,764	66,290
TOTAL, 1935	63,413	16,476	79,889	85,041
<u>1 9 3 4</u>				
Maritimes	302	Nil	302	Nil
Quebec	711	907	1,618	13,286
Ontario	32,936	3,295	36,231	32,512
Western provinces	5,251	13,353	18,604	2,371
Canadian	32,242	17,555	49,797	12,257
Imported	6,958	Nil	6,958	35,912
TOTAL, 1934	39,200	17,555	56,755	48,169(c)
TOTAL, 1933	54,632	27,571	82,203	33,876
TOTAL, 1932	57,634	36,189	93,823	42,023
TOTAL, 1931	32,439	47,757	80,196	53,160

(a) Inventory as reported by coal dealers, distributors, and importers; it also includes stocks at refineries.

(b) Industrial tonnage consists mostly of amounts used in refineries as fuel.

(c) Revised.

Table 52 - FREIGHT MOVEMENT IN PETROLEUM PRODUCTS - REVENUE FREIGHT

Provinces and Commodities	FREIGHT		ORIGINATED		TOTAL	
	Loaded at sta- tions within the province	Received from		:		
		foreign connections				:
		Destined to				
Canadian points	Foreign points	:				
	1	2	3	4	:	
<u>Prince Edward Island -</u>						
Crude petroleum .....	...	...	...	...
Asphalt	11	...	...	11	
Gasoline	3,335	...	...	3,335	
Other petroleum products	273	...	...	273	
<u>Nova Scotia -</u>						
Crude petroleum .....	...	...	...	...
Asphalt	34,195	...	...	34,195	
Gasoline	67,299	...	...	67,299	
Other petroleum products	30,076	494	...	30,570		
<u>New Brunswick -</u>						
Crude petroleum .....	...	...	...	...
Asphalt	857	10	42	909		
Gasoline	44,580	174	6,972	51,726		
Other petroleum products	9,342	244	1,438	11,024		
<u>Quebec -</u>						
Crude petroleum	52	47	...	99		
Asphalt	38,506	886	970	40,362		
Gasoline	240,884	4,343	19,306	264,533		
Other petroleum products	116,791	9,254	10,959	137,004		
<u>Ontario -</u>						
Crude petroleum	15,214	7,077	217	22,508		
Asphalt	51,952	4,571	26,129	82,652		
Gasoline	481,647	25,549	34,825	543,021		
Other petroleum products	261,077	55,336	82,594	399,007		
<u>Manitoba -</u>						
Crude petroleum	64	42,183	...	42,247		
Asphalt	447	204	...	651		
Gasoline	4,506	10,208	...	14,714		
Other petroleum products	14,000	8,819	...	22,819		
<u>Saskatchewan -</u>						
Crude petroleum	8,767	234,455	...	243,222		
Asphalt	15,050	...	...	15,050	
Gasoline	85,287	5,025	...	90,312		
Other petroleum products	64,323	5,092	329	69,744		
<u>Alberta -</u>						
Crude petroleum	3,276	199,318	...	202,594		
Asphalt	4,474	...	...	4,474	
Gasoline	125,643	13,053	...	138,696		
Other petroleum products	56,961	584	...	57,545		
<u>British Columbia -</u>						
Crude petroleum	1	31	...	32		
Asphalt	6,418	743	...	7,161		
Gasoline	61,382	676	863	62,921		
Other petroleum products	34,474	3,784	26	38,284		

NOTE - ASPHALT includes natural and by-product petroleum.

CARRIED BY CANADIAN RAILWAYS, 1936.

FREIGHT TERMINATED		EXPORT	IMPORT
Unloaded at stations within the provinces	Delivered to foreign connections	via Rail	
5	6	Column 1-5	Column 5-1
...
1,724	...	...	1,713
7,234	...	...	3,899
4,001	...	...	3,728
...
21,842	8	12,353	...
63,682	...	3,617	...
30,397	324	...	321
...
13,423	62	...	12,566
44,349	5,346	231	...
16,174	915	...	6,832
184	336	...	132
17,385	750	21,121	...
227,461	4,886	13,423	22,847
139,638	5,938	...	...
15,635	281	...	421
73,961	26,239	...	22,009
446,732	38,099	34,915	...
235,156	85,793	25,921	...
46,617	43	...	46,553
10,307	...	...	9,860
121,907	...	...	117,401
64,828	...	...	50,828
318,530	...	...	309,763
7,331	...	7,719	...
115,054	...	...	29,767
76,726	...	...	12,403
128,894	...	...	125,613
5,202	...	...	728
104,838	...	20,805	...
66,555	...	...	9,594
4	...	...	3
7,960	...	...	1,542
56,475	863	4,907	...
35,407	382	...	933

DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1936.

Name of Company	Location of Refinery	Crude oil capacity Bbbs. per 24 hours	Type of refinery	Cracking plant	
				Type	Capacity Bbbs. per 24 hours
<u>NOVA SCOTIA -</u>					
Imperial Oil Limited	Imperoyal	11,000	S - C	Tube and Tank	7,000
<u>NEW BRUNSWICK -</u>					
New Brunswick Gas & Oilfields Ltd.	Weldon	200 - 300	S	-	-
<u>QUEBEC -</u>					
British American Oil Refineries Ltd.	Montreal East	12,000	S - C	Liquid and vapour phase	6,000
Imperial Oil Limited	Montreal East	30,000	S - C	Tube and Tank	12,000
McColl-Frontenac Oil Co. Limited	Montreal East	17,000	S - C	2 Jenkins units 1 Kellogg unit	9,200
Shell Oil Company of Canada Ltd.	Montreal East	6,500	S - C	Dubbs Selective	4,250
<u>ONTARIO -</u>					
British American Oil Refineries Limited, The	Toronto	5,000	S - C	Liquid and vapour phase	3,000
Canadian Oil Refineries Limited	Petrolia	2,500	S - C	Liquid phase	1,000
Imperial Oil Limited	Sarnia	25,000	S - C.	Tube and Tank	15,000
Lloyd Refineries Ltd.	Port Credit	2,000	S - C	Dubbs	900
McColl-Frontenac Oil Co. Limited	Toronto	5,000	S - C	2 Jenkins units 1 Gyro unit	3,500
<u>MANITOBA -</u>					
Direct Oil Refineries Ltd.	St. Boniface	200	S	-	-
North Star Oil Limited	St. Boniface	1,000	S	-	-
Radio Oil Refineries Ltd.	East Kildonan	1,200	S	-	-
Trump Oil Company Limited	Morris	250	S	-	-
<u>SASKATCHEWAN -</u>					
British American Oil Refineries Limited, The	Moose Jaw	4,000	S - C	Liquid and vapour phase	2,000
Carrot River Oil Refineries Ltd.	Melfort	270	S	-	-
Consumers Co-Operative Refineries Ltd.	Regina	500	S	-	-

DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1936. (concluded)

Name of Company	Location of refinery	Crude oil capacity Bbls. per 24 hours	Type of refinery	Cracking plant	
				Type	Capacity Bbls. per 24 hours
<u>SASKATCHEWAN (concluded) -</u>					
Eston Refining Co. Ltd.	Eston	300	S	-	-
Great West Refining Company Limited	Yorkton	500	S	-	-
Hi-Way Refineries Limited	Regina	200	S	-	-
Hi-Way Refineries Limited	Regina	350	S - C	Baize	350
Hi-Way Refineries Limited	Moose Jaw	200	S	-	-
Hi-Way Refineries Limited	Prince Albert	200	S	-	-
Hi-Way Refineries Limited	Saskatoon	200	S	-	-
Hi-Way Refineries Limited	Swift Current	180	S	-	-
Hi-Way Refineries Limited	Weyburn	300	S	-	-
Home Oil and Refining Co. Ltd.	Humboldt	300	S	-	-
Imperial Oil Limited	Regina	7,000	S - C	Tube and Tank	3,800
Northern Petroleum Corporation Ltd.	Kamsack	100	S	-	-
Rosetown Hi-Way Refinery Limited	Rosetown	250	S	-	-
Shaunavon Oil Refineries Ltd.	Shaunavon	250	S	-	-
Soo Refinery Limited	Weyburn	150	S	-	-
<u>ALBERTA -</u>					
Alberta Hi-Way Refineries Limited	Edmonton South	500	S	-	-
Bell Refining Company Limited	Calgary	750	S	-	-
British American Oil Refineries, Limited, The	Coutts	2,500	S - C	Liquid and vapour phase	1,200
Fraser, J. W., Refining Company	Wainwright	60	S	-	-
Gas and Oil Products Limited	Hartell	500	S	-	-
Gold Standard Oils Ltd.	Wainwright	300	S	-	-
Huff Refinery Company Limited	Lethbridge	500	S	-	-
Imperial Oil Limited	Calgary	6,000	S - C	Tube and Tank	3,000
Lion Refining Company	Calgary	500	S	-	-
Maple Leaf Petroleum Limited	Coutts	5,000	S	-	-
Widney Refineries	Turner Valley	150	S	-	-
Oughton Bros.	Hartell	100	S	-	-

DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1936. (concluded)

Name of Company	Location of refinery	Crude oil capacity Bbls. per 24 hours	Type of refinery	Cracking plant	
				Type	Capacity Bbls. per 24 hours
<u>BRITISH COLUMBIA -</u>					
Imperial Oil Limited	Ioco	13,000	S - C	Tube and Tank	5,500
Shell Oil Company of British Columbia Ltd.	Vancouver	4,000	S	-	-
Standard Oil Company of British Columbia	Burnaby	2,000	S	-	-
Vancouver Oil Company Limited	Vancouver	1,000	S	-	-
<u>NORTHWEST TERRITORIES -</u>					
Northwest Company Ltd.	Fort Norman	150	S	-	-

S = Scimming. C = Cracking.

DIRECTORY OF PLANTS ENGAGED IN THE COMPOUNDING OF LUBRICATING OILS AND GREASES IN CANADA, 1936.

<u>Name of Company</u>	<u>Location of Plant</u>
<u>QUEBEC -</u>	
Chapman, L.L. & W. H.	Hull
Economic Products Ltd.	Outremont
Union Products	Montreal
<u>ONTARIO -</u>	
Campbell Grease Company	Toronto
Horsey, R. W., Ltd.	Toronto
Hollingshead Co. of Canada, Ltd., The R. M.	Bowmanville
Houghton, E.C., & Co. of Canada, Ltd.	Toronto
Kendall Refining Company of Canada, Ltd.	Toronto
Ontario Lubricating Co. Ltd., The	Hamilton
Three in One Oil Company	Windsor
Tide Water Oil Co. of Canada, Ltd.	Toronto
Queant Oil Products Ltd.	Leaside
Werner G. Smith, Limited	Toronto
<u>BRITISH COLUMBIA -</u>	
Canada Grease Works Ltd.	Vancouver.

STATISTICS CANADA LIBRARY
BIBLIOTHEQUE STATISTIQUE CANADA



1010693288