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

THE PETROLEUM PRODUCTS INDUSTRY
IN
CANADA
1935

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ANNUAL INDUSTRY REPORT

MANUFACTURES OF THE NON-METALLIC MINERALS GROUP

THE PETROLEUM PRODUCTS INDUSTRY, 1935.

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.

Forty-five refineries and 13 blending plants, or a total of 58 works, reported in this category in 1935 and the aggregate value of production was \$58,869,814, an increase of 3 per cent over the total of \$56,969,015 for the 51 operating establishments in 1934.

The output figure for 1935 included \$58,415,916 for petroleum refineries and \$453,898 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, 1931 - 1935.

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	Selling value of products at works
		\$		\$	\$	\$	\$
Petroleum Refining -							
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	58,415,916	79,176,081
Lubricating Oils and Greases -							
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
TOTAL -							
1931	32	68,136,281	4,122	6,214,745	3,378,599	50,617,742	76,158,644
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

Table 2 - PRINCIPAL STATISTICS OF THE PETROLEUM PRODUCTS INDUSTRY, BY PROVINCES, 1935.

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	Selling value of products at works
		\$		\$	\$	\$	\$
Quebec	8	21,989,741	1,035	1,591,324	1,165,182	17,357,448	23,157,263
Ontario	14	21,661,413	2,055	3,026,101	1,536,046	19,440,932	25,121,188
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
British Columbia	6	5,382,984	398	612,712	230,116	6,119,294	9,162,865
Other provinces.	3	4,648,334	431	661,222	430,803	4,771,403	7,734,606
CANADA	58	64,707,454	4,856	7,153,224	3,847,049	58,869,814	79,950,525

Table 3 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES AND CAPITAL EMPLOYED, 1935.

	Number of plants	Capital employed	Number of employees	Selling value of products at works
		\$		\$
(a) PRODUCTION				
Under \$25,000	9	196,660	38	145,400
\$25,000 to \$50,000	5	127,211	20	169,750
\$50,001 to \$100,000	7	355,626	61	507,342
\$100,001 to \$250,000	14	1,238,170	166	2,095,070
\$250,001 to \$500,000	5	1,224,454	172	1,850,916
\$500,001 to \$1,000,000	3	934,183	74	2,077,926
\$1,000,001 to \$5,000,000	8	17,345,066	806	20,239,359
Over \$5,000,000	7	43,286,084	3,519	52,864,762
TOTAL	58	64,707,454	4,856	79,950,525
(b) NUMBER OF EMPLOYEES				
1 or 2	5	56,029	5	165,483
3 to 10	20	875,651	129	1,403,034
11 to 20	9	985,801	120	1,763,773
21 to 50	8	1,722,584	223	3,085,869
51 to 100	5	6,545,745	312	8,376,647
101 to 250	6	20,976,950	764	23,682,936
Over 250	5	33,544,694	3,303	41,472,783
TOTAL	58	64,707,454	4,856	79,950,525
(c) CAPITAL EMPLOYED				
Under \$25,000	9	56,333	26	237,523
\$25,000 to \$100,000	23	1,349,069	213	2,216,806
\$100,001 to \$1,000,000	12	3,365,794	354	6,011,999
Over \$1,000,000	14	59,936,258	4,263	71,484,197
TOTAL	58	64,707,454	4,856	79,950,525

(a) THE PETROLEUM REFINING INDUSTRY.

Forty-five petroleum refineries operated in Canada during 1935 as follows - 14 in Saskatchewan, 9 in Alberta, 7 in Ontario, 4 in each of Quebec, Manitoba and British Columbia, and 1 in each of Nova Scotia, New Brunswick and the North West Territories. The combined capacity of these works was 160,350 barrels of crude oil per day of twenty-four hours. Fifteen establishments had cracking units with aggregate capacity of about 75,350 barrels per day. The location, type and capacity of each of these refineries is recorded in the directory appended to this report.

The increase in the number of operating refineries has been an outstanding feature of the industry in recent years. Particularly has this been true in the western provinces where many small units have been constructed. In 1921 there were 11 refineries in Canada and by 1931 the number had increased only to 15. But there were 20 separate establishments in 1931, 24 in 1932, 37 in 1933, 42 in 1934, and 45 in 1935. In 1931 there was only one refinery in Saskatchewan, 6 in Alberta, 2 in Manitoba, and 2 in British Columbia, a total of 11 in western Canada. In 1935 there were 14 in Saskatchewan, 9 in Alberta, 4 in Manitoba, 4 in British Columbia, and one in the North West Territories, or a total of 32 in the western provinces. In eastern Canada the number advanced from 9 to 13 in the same period. But although the number in western Canada increased 190 per cent in the five-year interval, the advance in capacity was only 19.4 per cent from 41,750 barrels to 49,850 barrels per day. In the eastern provinces the gain in capacity was 20.6 per cent and for all Canada only 20.3 per cent.

In 1935 the operating refineries used 1,196,411,443 ^{Gallons} ~~Barrels~~ of crude oil, thus indicating a scale of operations equal to 58 per cent of capacity. About 71.7 per cent, or 857,577,534 gallons, of the crude was imported from United States, 24.9 per cent or 298,048,436 gallons from South America and Trinidad, and 3.4 per cent or 40,785,473 gallons from Canadian wells. The crude from the United States included 2,418,107 gallons not in its natural state, that from South America and Trinidad, 3,770,254 gallons not in its natural state, and that from Canadian wells, 32,278,083 gallons of naphtha and absorption gasoline. The total cost at the refineries of all crude oil used during the year was \$55,103,333. Stocks of crude held at the refineries at the end of the year totalled 125,979,808 gallons of which 125,753,615 gallons was natural crude and 226,191 gallons was reduced crude.

Canadian crude or naphtha was used in 12 refineries only - 8 in Alberta, 2 in Ontario, 1 in New Brunswick and 1 in the North West Territories; 3 of the Alberta works used only Canadian crude while the remainder used crude from United States as well as some Canadian oil. Twenty-eight other refineries operated entirely on crude from the United States, 14 being in Saskatchewan, 4 in Ontario, 4 in Manitoba, 3 in British Columbia, 2 in Quebec and 1 in Alberta. Another works in Quebec and 1 in Nova Scotia used only oil from South America, 1 in British Columbia used both United States crude and South American crude, and 1 in Quebec and 1 in Ontario brought crude from United States and from Trinidad.

Gasoline production in 1935 amounted to 513,716,004 gallons of which 292,520,425 gallons were made by the straight run process and 221,195,579 gallons by cracking. In addition, the refineries used for blending purposes a total of 52,823,336 gallons of imported casinghead gasoline which were not included in the above production figures. The gallonage of gasoline made in 1935 was the highest on record being 11 per cent greater than the output in 1934 and double the quantity made in 1927. The value of the 1935 production was \$45,182,357 at refinery prices. Refinery stocks at the end of the year included 81,463,970 gallons of straight run and cracked gasoline and 6,719,209 gallons of imported casinghead, the latter for blending purposes.

Imports of gasoline including casinghead during 1935 amounted to 68,032,212 gallons which with the production of 513,716,004 gallons less the increase in refinery stocks of 14,238,716 gallons and less exports of 3,368,728 gallons made an apparent consumption in Canada of 564,140,772 gallons for the year. This figure agrees fairly well with the gross sales of 573,652,245 gallons reported to the provincial governments under the Gasoline Tax Acts but this latter figure probably included some Turner Valley naphtha and engine distillates which were used for auto or tractor fuel. Reports from oil well operators indicate that about 10,673,000 gallons of naphtha and absorption gasoline were sold directly to consumers for use in autos, tractors, etc., during 1935; such sales were taxed under the Act and would be included in the gross sales of 573,652,245 gallons mentioned above, but not in the refinery production figures.

Production of fuel and gas oils (excluding any made and used for cracking purposes) totalled 469,969,708 gallons of which 417,840,170 gallons were for sale and 52,129,538 gallons for use as fuel in refineries. Imports aggregated 49,277,712 gallons and exports amounted to 8,359,049 gallons. Refinery stocks at the end of the year were about 74,998,192 gallons, or 5,044,245 gallons more than in 1934. The apparent consumption in Canada, as calculated from the above figures, was 505,844,126 gallons.

Refinery production of lubricating oils amounted to 17,863,607 gallons, and a further 1,355,690 gallons were made in blending plants, making a total production of 19,219,297 gallons. By adding to this figure the imports of 13,251,270 gallons and the decline in refinery stocks of 330,056 gallons, an estimate of 32,800,623 gallons is obtained as the apparent Canadian consumption in 1935.

Production of lubricating grease in refineries was 11,352,074 pounds and in blending plants, 727,324 pounds, a total of 12,079,398 pounds. This quantity plus imports of 3,973,299 pounds indicates a consumption in Canada of 16,052,697 pounds in 1935.

Capital employed in the petroleum refining industry in 1935 was reported at \$64,012,045 of which \$37,352,941 was the value placed on land, buildings and equipment. The average number of employees was 4,771 and payments to these workers in salaries and wages amounted to \$7,046,675 for the year. Materials used in refining operations cost \$53,415,916, fuel and electricity cost \$3,839,424, and the products were valued at \$79,176,081 at the works

Table 4 - NUMBER AND TOTAL CAPACITY OF PETROLEUM REFINERIES IN OPERATION IN CANADA, 1932 - 1935.

Provinces	1932		1933		1934		1935	
	Num- ber	Capacity in barrels of crude per day	Num- ber	Capacity in barrels of crude per day	Num- ber	Capacity in barrels of crude per day	Num- ber	Capacity in barrels of crude per day
Nova Scotia	1	12,000	1	12,000	1	11,000	1	11,000
New Brunswick ..	1	100	1	100	1	100	1	100
Quebec	4	45,000	5	52,000	5	61,500	4	59,500
Ontario	4	36,400	7	38,675	7	39,850	7	39,900
Manitoba	3	1,900	2	1,900	3	2,100	4	2,450
Saskatchewan ...	3	7,900	8	9,400	10	12,850	14	14,190
Alberta	6	16,550	9	16,120	10	14,150	9	14,860
British Columbia	2	16,000	3	19,500	4	17,700	4	18,200
N.W.Territories. ...			1	80	1	150	1	150
CANADA	24	135,850	37	149,775	42	159,400	45	160,350

Table 5 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, 1921 - 1935.

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	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

Table 6 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, BY PROVINCES, 1934 and 1935.

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	Selling value of products at works
		\$		\$	\$	\$	\$
<u>1934</u>							
Quebec	5	20,718,426	1,159	1,451,898	1,033,236	14,354,788	21,561,761
Ontario	7	23,579,481	2,054	2,637,113	1,265,006	19,956,933	24,005,454
Manitoba	3	464,835	46	61,136	53,546	818,278	1,142,254
Saskatchewan	10	5,306,838	387	501,292	199,426	4,581,784	5,944,278
Alberta	10	6,622,439	424	586,588	185,054	6,436,833	8,602,050
British Columbia	4	5,303,652	369	522,002	171,906	5,655,603	8,051,341
Other provinces	3	4,454,825	437	514,770	209,523	4,855,273	6,478,539
CANADA	42	66,450,496	4,876	6,274,799	3,117,697	56,659,492	75,785,677
<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
British 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	58,415,916	79,176,081

Table 7 - CAPITAL EMPLOYED IN THE PETROLEUM REFINING INDUSTRY, 1934 and 1935.

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 receivable, etc.)	
	\$	\$	\$	\$
<u>1934</u>				
Quebec	14,589,795	6,086,608	42,025	20,718,426
Ontario	15,926,929	6,849,294	803,258	23,579,481
Manitoba	277,874	142,170	44,791	464,835
Saskatchewan	3,061,623	2,048,337	196,878	5,306,838
Alberta	3,100,745	3,207,173	264,521	6,622,439
British Columbia ..	3,220,952	1,766,800	315,900	5,303,652
Other provinces ..	2,641,472	1,738,014	75,339	4,454,825
CANADA	42,869,390	21,838,396	1,742,710	66,450,496
<u>1935</u>				
Quebec	15,231,578	8,238,742	385,061	21,855,381
Ontario	15,418,915	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 ..	2,270,431	2,293,054	84,799	4,648,334
CANADA	57,352,941	25,006,557	1,652,547	64,012,045

Table 8 - EMPLOYEES IN PETROLEUM REFINERIES, SALARIES AND WAGES, 1934 and 1935.

Provinces	Average number of employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
					\$	\$	\$	
<u>1934</u>								
Quebec	123	11	1,024	1	1,159	239,410	1,212,488	1,451,898
Ontario	256	44	1,747	7	2,054	612,545	2,024,568	2,637,113
Manitoba	12	3	31	...	46	25,687	35,449	61,136
Saskatchewan	65	7	315	...	387	125,096	376,196	501,292
Alberta	65	7	352	...	424	149,605	436,983	586,588
British Columbia ..	54	6	308	1	369	119,510	402,492	522,002
Other provinces ..	43	8	385	1	437	98,537	416,233	514,770
CANADA	618	86	4,162	10	4,876	1,370,390	4,904,409	6,274,799
<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

Table 9 - NUMBER OF WAGE-EARNERS IN PETROLEUM REFINERIES, BY MONTHS, 1935.

Months	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Other provinces	CANADA
January ...	885	1,699	36	176	310	308	371	3,785
February ..	850	1,620	36	169	317	301	362	3,655
March	852	1,640	35	170	329	296	351	3,673
April	807	1,656	36	210	343	298	348	3,698
May	851	1,647	48	315	369	298	345	3,873
June	889	1,667	49	341	378	301	350	3,975
July	880	1,656	49	352	393	305	354	3,989
August	877	1,649	51	488	412	300	349	4,128
September .	873	1,684	53	488	403	300	374	4,175
October ...	842	1,675	50	448	394	302	380	4,091
November ..	841	1,665	48	376	351	301	391	3,973
December ..	813	1,529	41	263	359	300	397	3,702
AVERAGE .	854	1,648	44	320	363	300	364	3,893

Table 10 - FUEL(x) and ELECTRICITY USED IN PETROLEUM REFINERIES, 1934 and 1935.

Kinds	Unit of measure	1 9 3 4		1 9 3 5	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Bituminous coal - Canadian ...	short ton	161	800	10	76
Imported ...	short ton	34,564	160,686	26,570	121,827
Lignite coal - Canadian	short ton	...	...	10	55
Coke, including petroleum coke	short ton	24,179	105,534	16,067	60,096
Gasoline	Imp. gal.	5,005	503	4,817	381
Kerosene or coal oil	Imp. gal.	2,932	341	510	49
Fuel oil	Imp. gal.	55,246,440	1,495,058	52,082,628	1,925,597
Wood	cords	4	25	22	91
Gas - Manufactured, including still gas	M cu.ft.	3,772,745	777,352	5,154,885	1,101,548
Gas - Natural	M cu.ft.	925,173	83,039	762,226	68,618
Other fuel	xxx	...	110,533	...	147,641
Electricity purchased	K.W.H.	44,843,350	383,826	49,074,025	413,445
TOTAL	xxx	...	3,117,697	...	3,839,424
Electricity generated for own use	K.W.H.	3,664,595	...	1,299,790	...

(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, 1934 and 1935.

Kinds	1 9 3 4		1 9 3 5	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	429	15,253	442	15,551
Diesel engines	7	1,385	5	935
Gasoline, gas and oil engines (other than diesel)	5	41	12	214
Total Primary	441	16,679	459	16,700
Electric motors run by purchased power	1,023	20,011	1,128	22,369
TOTAL	1,464	36,690	1,587	39,069
Electric motors run by power generated with above primary units	76	1,992	1,128	22,369
Total Electric Motors	1,099	22,003	1,128	22,369
Boilers	136	29,629	134	29,435

Table 12 - POWER EQUIPMENT IN PETROLEUM REFINERIES, 1935, 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	421	15,103	21	2,448
Diesel engines	1	115	4	820
Gasoline, gas and oil engines (other than diesel)	12	214	...	...
Total Primary	434	13,432	25	3,268
Electric motors run by purchased power	1,058	21,503	70	866
TOTAL	1,492	34,935	95	4,134
Boilers	133	29,385	1	50

Table 13 - MATERIALS USED IN PETROLEUM REFINERIES, 1934 and 1935.

Materials	Unit of measure	1934		1935	
		Quantity	Cost at works	Quantity	Cost at works
Crude oil, in its natural state, from Canadian wells	Imp. gal.	9,266,103	605,311	8,507,390	547,879
Naphtha, absorption gasoline, etc., from Canadian wells	Imp. gal.	32,195,660	2,633,587	32,278,083	2,467,409
Crude oil in its natural state -					
(a) From United States ..	Imp. gal.	768,765,241	38,165,168	855,159,427	40,708,492
(b) From other countries	Imp. gal.	265,845,557	10,140,741	294,278,182	10,950,743
Crude oil, not in its natural state -					
(a) From United States .	Imp. gal.	1,617,289	171,205	2,418,107	226,434
(b) From other countries	Imp. gal.	31,820,493	1,926,089	3,770,254	202,376
Sulphuric acid (66° Be)...	lb.	24,696,413	250,501	23,098,907	224,014
Sulphur	lb.	117,279	4,095	156,773	5,098
Caustic soda	lb.	3,324,629	111,870	3,180,180	99,149
Soda ash	lb.	289,418	6,636	237,466	5,280
Litharge	lb.	356,648	26,898	388,112	26,286
Fullers' earth and clay ..	lb.	18,588,514	239,357	18,487,148	260,885
Compounding materials	xx	...	338,247	...	356,519
Tetraethyl fluid	xx	...	1,249,314	...	1,461,153
Other materials	xx	...	264,055	...	321,699
Shipping containers	xx	...	526,418	...	552,500
TOTAL	xx	...	56,659,492	...	58,415,916

Table 14 - MATERIALS USED BY PETROLEUM REFINERIES, BY AREAS, 1935.

Materials	Unit of measure	MARITIMES AND QUEBEC		O N T A R I O		WESTERN PROVINCES	
		Quantity	Cost at works \$	Quantity	Cost at works \$	Quantity	Cost at works \$
Crude oil, not in its natural state, from Canadian wells	Imp. gal.	451,748	27,105	6,321,891	408,366	1,733,751	112,408
Naphtha, absorption gasoline, etc., from Canadian wells	Imp. gal.	...	...	...	...	32,278,083	2,467,409
Crude oil, in its natural state -							
(a) From United States	Imp. gal.	239,496,894	10,577,061	331,361,220	16,618,877	284,301,313	13,512,554
(b) From other countries	Imp. gal.	287,896,972	10,699,775	100,170	5,595	6,281,040	245,373
Crude, not in its natural state -							
(a) From United States	Imp. gal.	...	...	1,132,910	112,052	1,285,197	114,382
(b) From other countries	Imp. gal.	352,463	18,996	496,895	28,039	2,920,896	155,341
Sulphuric acid (66° Be) ..	lb.	618,207	5,807	17,495,455	172,535	4,985,245	45,672
Sulphur	lb.	36,812	1,134	58,380	1,579	77,453	2,385
Caustic soda	lb.	1,472,900	40,468	891,358	26,023	815,922	32,658
Soda ash	lb.	13,480	258	66,000	1,109	157,986	3,913
Litharge	lb.	75,578	4,551	50,373	3,033	262,161	18,702
Fullers' earth and clay ..	lb.	6,526,025	89,260	11,119,274	160,990	841,849	10,635
Compounding materials ..	xx	...	...	...	347,020	...	9,499
Tetraethyl fluid	xx	...	455,402	...	684,835	...	320,916
Other materials	xx	...	58,538	...	212,000	...	51,161
Shipping containers	xx	...	55,393	...	452,488	...	44,619
TOTAL	xx	...	22,053,748	...	19,234,541	...	17,147,627

Table 15 - PRODUCTS MADE IN PETROLEUM REFINERIES, 1934 and 1935.

Products	Unit of measure	1 9 3 4		1 9 3 5	
		Quantity	Selling value at works \$	Quantity	Selling value at works \$
<u>Made for sale -</u>					
Gasoline (a) Straight run(x)	Imp. gal.	294,665,314	28,478,159	292,313,856	26,595,550
(b) By cracking process ...	Imp. gal.	166,773,271	13,956,313	221,195,579	18,566,703
Fuel oil and gas oils ...	Imp. gal.	401,621,713	15,973,531	417,840,170	15,647,726
Tractor and engine distillate	Imp. gal.)			39,431,237	3,410,812
V.M. & P. or solvent naphtha	Imp. gal.)	86,223,392	3,183,330		
Kerosene	Imp. gal.	37,675,985	3,635,618	9,124,052	687,833
Lubricating oil	Imp. gal.	18,928,038	3,896,754	31,767,027	3,055,093
Grease	lb.	9,960,640	563,514	17,814,927	3,484,794
Asphalt	Imp. gal.	25,584,495	2,303,717	11,352,074	515,401
Petroleum coke	ton	52,467	200,512	34,668,858	3,119,530
Wax and candles	lb.	10,655,682	476,899	63,843	372,723
Other products	xx	...	171,114	...	43,735
Total for Sale	xx	...	72,839,461	...	75,934,818
<u>Made for own use -</u>					
Gasoline - straight run .	Imp. gal.	314,778	23,151	206,569	20,104
Fuel oil (except for cracking) and gas oils .	Imp. gal.	54,373,612	1,859,879	52,129,538	1,903,544
V. M. & P. or solvent naphtha	Imp. gal.	70,255	4,245	3,560	368
Kerosene	Imp. gal.	66,008	5,365	66,690	5,338
Lubricating oil	Imp. gal.	48,404	12,589	48,680	11,498
Tar	Imp. gal.	1,306,410	49,927	1,213,240	48,529
Petroleum coke	ton	9,293	57,961	8,348	21,256
Still gas	M cu.ft.	3,772,746	777,351	5,154,885	1,105,166
Other products	xx	...	61,149	...	98,460
Total for Own Use	xx	...	2,851,617	...	3,241,263
GRAND TOTAL	xx	...	75,691,078	...	79,176,081

Fuel and gas oil made for use in cracking process . Imp. gal. 309,595,786(f) ... 398,176,385(a) ...

(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.

(f) Not including 5,473,582 gallons of heavy naphtha and 1,389,045 gallons of crude.

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

Table 16 - PRODUCTS MADE IN PETROLEUM REFINERIES, BY AREAS, 1935.

Products	Unit of measure	MARITIMES AND QUEBEC		ONTARIO		WESTERN PROVINCES	
		Quantity	Selling value \$	Quantity	Selling value \$	Quantity	Selling value \$
Made for Sale -							
Gasoline (a) Straight run.	Imp. gal.	122,727,531	9,683,428	85,553,689	6,427,724	84,032,636	10,484,398
(b) By cracking process	Imp. gal.	110,843,543	9,716,594	93,899,646	6,745,218	16,452,390	2,104,891
Fuel oil and gas oil	Imp. gal.	181,831,083	6,421,515	81,204,522	3,514,332	154,804,565	5,711,879
Tractor and engine distillate	Imp. gal.	1,628,900	101,092	8,567,840	452,774	29,234,497	2,856,946
V.M. & P. or solvent naphtha	Imp. gal.	3,731,733	273,622	4,001,937	283,529	1,390,382	130,682
Kerosene	Imp. gal.	12,487,221	1,084,081	10,366,127	810,051	8,913,679	1,160,961
Lubricating oil	Imp. gal.	573,234	85,350	16,739,539	3,331,047	502,154	68,397
Grease	lb.	...	...	9,892,402	459,296	1,459,672	56,105
Asphalt	Imp. gal.	21,004,012	1,904,734	6,976,399	600,110	6,688,447	614,686
Petroleum coke	ton	1,493	7,532	53,605	319,037	8,745	46,154
Wax and candles	lb.	...	...	11,237,594	434,918	...	...
Other products	xxx	...	...	...	...	...	43,735
Total for Sale	xxx	...	29,277,948	...	23,378,036	...	23,278,834
Made for Own Use -							
Gasoline - straight run	Imp. gal.	25,003	2,301	146,674	12,346	36,358	5,611
Fuel oil (except for cracking) and gas oil	Imp. gal.	23,456,244	863,166	16,456,147	644,356	12,215,681	422,868
V. M. & P. or solvent naphtha	Imp. gal.	...	...	1,167	146	2,393	222
Kerosene	Imp. gal.	1,666	163	58,418	4,293	6,606	882
Lubricating oil	Imp. gal.	...	...	46,000	11,133	2,680	365
Tar	Imp. gal.	...	...	1,213,240	48,529	...	...
Petroleum coke	ton	1,727	9,408	240	967	6,381	10,881
Still gas	M cu.ft.	2,641,454	558,995	2,122,091	468,765	391,340	77,406
Other products	xxx	...	217	...	95,771	...	2,472
Total for Own Use	xxx	...	1,434,250	...	1,286,306	...	520,707
GRAND TOTAL	xxx	...	30,712,198	...	24,664,342	...	23,799,541
Fuel and gas oil made for use in cracking process	Imp. gal.	199,662,542	...	180,394,938	...	18,118,905	...

Table 17 - PRODUCTS MADE IN PETROLEUM REFINERIES SHOWING PRODUCTION FROM REDUCED CRUDE SEPARATELY FROM NATURAL CRUDE, 1935.

Products	Unit of measure	Made from crude oil in its natural state		Made from crude oil not in its natural state	
		Quantity	Selling value at works	Quantity	Selling value at works
<u>Petroleum Refining -</u>					
<u>Made for Sale -</u>					
Gasoline (a) Straight run ..	Imp. gal.	290,946,840	26,454,584	1,367,016	140,966
(b) By cracking process	Imp. gal.	221,081,619	18,554,737	113,960	11,966
Fuel and gas oils	Imp. gal.	415,722,028	15,559,191	2,118,142	88,535
Tractor and engine distillate	Imp. gal.	39,367,865	3,406,969	63,372	3,843
V. M. & P. or solvent naphtha	Imp. gal.	9,124,052	687,833	...	...
Kerosene	Imp. gal.	30,773,723	2,918,622	993,304	136,471
Lubricating oils	Imp. gal.	17,814,927	3,484,794	...	...
Grease	lb.	11,352,074	515,401	...	...
Asphalt	Imp. gal.	34,668,858	3,119,530	...	...
Petroleum coke	ton	63,843	372,723	...	...
Wax and candles	lb.	11,237,594	434,918	...	...
Other products	xxx	...	43,735	...	...
Total for Sale	xxx	...	75,553,037	...	381,781
<u>Made for Own Use -</u>					
Gasoline - straight run	Imp. gal.	206,569	20,104	...	...
Fuel and gas oil (except for cracking)	Imp. gal.	52,129,538	1,930,544	...	...
V.M. & P. or solvent naphtha	Imp. gal.	3,560	368	...	...
Kerosene	Imp. gal.	62,859	4,811	3,831	527
Lubricating oil	Imp. gal.	48,680	11,498	...	...
Tar	Imp. gal.	1,213,240	48,529	...	...
Petroleum coke	ton	8,848	21,256	...	...
Still gas	M cu.ft.	5,154,885	1,105,166	...	...
Other products	xxx	...	98,460	...	...
Total for Own Use	xxx	...	3,240,736	...	527
TOTAL PETROLEUM REFINING	xxx	...	78,793,773	...	382,308

Table 18 - STOCKS ON HAND AT THE REFINERIES AT THE END OF 1935.

Crude petroleum (a) In its natural state	125,753,615 imperial gallons
(b) Not in its natural state	226,191 imperial gallons
Gasoline (excluding casinghead for blending)	81,463,970 imperial gallons
Fuel and gas oil (a) Not intended for further manufacture	74,998,192 imperial gallons
(b) For pressure cracking operations ..	28,190,579 imperial gallons
Tractor and engine distillate	7,320,037 imperial gallons
Kerosene	9,567,194 imperial gallons
Lubricating oil	4,870,507 imperial gallons
Petroleum coke	4,869 short tons

Table 19 - CASINGHEAD GASOLINE IMPORTED AND USED FOR BLENDING AT THE REFINERIES, 1935. (As reported by refiners)

Imported casinghead gasoline received at the refineries during the year	Quantity	56,701,810 Imp gal.
	Cost at works	\$ 4,621,391
Imported casinghead gasoline used for blending during the year		52,823,336 Imp gal.
Total refinery stocks of casinghead gasoline at end of year ..		6,719,209 Imp gal.

(b) LUBRICATING OILS AND GREASES.

In 1935 reports were received from 13 factories which were engaged in the compounding of lubricating oils and greases; 7 were in Ontario, 4 in Quebec and 2 in British Columbia.

Capital employed in 1935 was given at \$695,409; the average number of employees was 85; payments for salaries and wages totalled \$106,549; materials for compounding and containers for the finished products cost \$453,898; and the value of all products was \$774,444 including \$616,956 for lubricating oils, \$112,431 for lubricating greases and \$45,057 for miscellaneous products.

Including the production from refineries, the total Canadian output of lubricating oils in 1935 was 19,219,297 gallons valued at \$4,113,248 compared with 19,519,700 gallons at \$4,307,094 in 1934. The total production of lubricating greases was 12,079,398 pounds at \$627,852 in 1935 and 10,792,841 pounds at \$667,556 in 1934.

Table 20 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, 1921-1935.

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	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

Table 21 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, BY PROVINCES, 1934 and 1935.

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	Selling value of products at works
		\$		\$	\$	\$	\$
1934							
Ontario	5	199,943	43	49,315	1,594	136,336	300,698
Quebec	3	370,602	38	55,112	5,243	173,187	251,138
British Columbia	1						
CANADA	9	570,545	81	104,427	6,837	309,523	551,836
1935							
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

Table 22 - CAPITAL EMPLOYED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1934 and 1935.

Provinces	Value of lands, Buildings, machinery and equipment	Inventory value of materials, finished products and stocks in process	Operating capital (cash, bills receivable, etc.	TOTAL CAPITAL EMPLOYED
<u>1934</u>				
Ontario	53,920	60,208	85,815	199,943
Other provinces ..	257,204	95,818	17,580	370,602
CANADA	311,124	156,026	103,395	570,545
<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 23 - EMPLOYEES, SALARIES AND WAGES IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1934 and 1935.

Provinces	Average number of employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
<u>1934</u>								
Ontario	26	6	11	...	43	40,904	8,411	49,315
Other provinces ..	13	2	23	...	38	29,689	25,423	55,112
CANADA	39	8	34	...	81	70,593	33,834	104,427
<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

Table 24 - NUMBER OF WAGE-EARNERS IN THE LUBRICATING OILS AND GREASES INDUSTRY, BY MONTHS, 1935.

Months	Ontario	Other Provinces	CANADA
January	13	17	30
February	13	17	30
March	16	16	32
April	16	20	36
May	16	19	35
June	17	16	33
July	17	19	36
August	15	19	34
September	18	20	38
October	14	20	34
November	17	20	37
December	13	19	32
AVERAGE	15	19	34

Table 25 - FUEL AND ELECTRICITY USED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1934 and 1935.

Kinds	Unit of measure	1934		1935	
		Quantity	Cost at works	Quantity	Cost at works
Coal, anthracite	short ton	27	\$ 395	24	\$ 316
Coal, bituminous - Canadian ..	short ton	144	755	...	...
Foreign ...	short ton	174	1,178	231	1,608
Fuel oil	Imp. gal.	94,220	2,477	111,020	2,918
Wood	cord	33	304	47	390
Manufactured gas	M cu. ft.	100	87	213	228
Electricity purchased	K.W.H.	61,433	1,641	79,496	2,165
TOTAL	xxx	...	6,837	...	7,625

Table 26 - POWER EQUIPMENT IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1934 and 1935.

	1934		1935	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	3	58	3	58
Total Primary	3	58	3	58
Electric motorgs run by purchased power ..	7	26	15	49
TOTAL	10	84	18	107
Boilers	6	303	6	303

Table 27 - MATERIALS USED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1934 and 1935.

Materials	Unit of measure	1934		1935	
		Quantity	Cost at works	Quantity	Cost at works
Compounding stocks (mineral oils, animal oils, etc.)	Imp. gal.	855,698	\$ 247,901	1,155,130	\$ 350,993
Tallow and grease	lb.	344,526	23,772	293,449	21,630
All other materials	xxx	...	16,318	...	21,552
Shipping containers	xxx	...	21,532	...	59,723
TOTAL	xxx	...	309,523	...	453,898

Table 28 - PRODUCTS MADE IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1934 and 1935.

Products	Unit of measure	1934		1935	
		Quantity	Selling value at works	Quantity	Selling value at works
Greases, lubricating	lb.	832,201	\$ 104,042	727,324	\$ 112,431
Oils, lubricating	gal.	543,258	397,751	1,355,690	616,956
Soaps and soap powders	lb.	475,591	39,476	347,762	32,692
All other products	xx	...	10,567	...	12,365
TOTAL	xx	...	551,836	...	774,444

Table 29 - IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1934 and 1935.

	1934		1935	
	Quantity	Value	Quantity	Value
<u>IMPORTS</u>				
<u>Asphalt and Its Products -</u>				
Asphaltum or asphalt, solid ... cwt.	100,305	114,951	120,024	126,979
Asphalt, not solid gal.	98,657	11,050	113,104	12,265
Asphaltum oil for paving purposes only gal.	14,619	1,852	29,035	2,338
<u>Crude Petroleum, Fuel and Gas Oils -</u>				
Crude petroleum in its natural state, 0.7900 specific gravity or heavier at 60 degrees temperature, when imported by oil refiners to be refined in their own factories gal.	1,072,327,425	31,907,176	1,156,788,480	33,816,433
Crude petroleum, gas oils other than naphtha, benzine and gasoline lighter than 0.8235 but not less than 0.775 specific gravity at 60 degrees temperature gal.	181,278	9,740	29,797	1,728
Petroleum (not including crude petroleum imported to be refined or illuminating or lubricating oils 0.8235 specific gravity or heavier at 60 degrees temperature (fuel oil) gal.	32,959,499	1,149,341	30,887,850	1,108,762
Oils imported by miners or mining companies or concerns, for use in the concentration of ores of metals in their own concentrating establishments gal.	77,126	85,364	68,155	49,354
Petroleum, crude, not in its natural state, 0.7250 specific gravity or heavier at 60 degrees temperature when imported by oil refiners to be refined in their own factories gal.	1,782,276	98,920	1,098,559	66,558
Fuel oil, ex-warehoused for ships' stores gal.	23,481,946	589,843	18,389,862	507,283
<u>Kerosene and Illuminating Oils -</u>				
Coal oil and kerosene, lighter than .8235 specific gravity at 60 degrees temperature, n.o.p. gal.	1,985,739	142,025	1,269,150	111,667
Illuminating oils, composed wholly or in part of the products of petroleum, coal, shale or lignite, costing more than 30 cents per gallon gal.	1,062	345	3,337	1,120
Engine distillate lighter than .8235 specific gravity at 60 degrees temperature gal.	132,795	12,946	83,962	8,731

Table 29 -- IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1934 and 1935 (concluded)

	1934		1935		
	Quantity	Value	Quantity	Value	
		\$		\$	
<u>IMPORTS (concluded)</u>					
<u>Lubricating and Other Oils -</u>					
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	gal.	6,872,364	1,047,882	10,232,069	1,457,333
Lubricating oils, n.o.p.	gal.	3,648,960	1,345,094	3,019,201	1,188,992
<u>Gasoline and Other Oils -</u>					
Gasoline, lighter than .8235 specific gravity at 60 degrees temperature	gal.	13,205,856	1,248,497	19,614,867	1,661,306
Gasoline, natural casinghead, compression or absorption, lighter than .6690 specific gravity at 60 degrees temperature, when imported by distillers of petroleum for blending with other gasolines distilled in Canada ...	gal.	48,376,014	2,593,460	48,417,345	2,889,814
All other oils, n.o.p.	gal.	580,667	117,509	3,103,221	233,680
<u>Other Products of Petroleum -</u>					
Grease, axle	lb.	3,374,842	169,183	3,973,299	203,310
Paraffin wax	lb.	6,063,526	268,741	5,234,224	196,118
Paraffin wax candles	lb.	146,075	28,647	164,500	30,737
Vaseline, and all similar preparations of petroleum for toilet, medicinal and other purposes	xx	...	241,063	...	252,740
Naphtha and products of petroleum, n.o.p., lighter than .8235 specific gravity at 60 degrees temperature	gal.	1,868,361	142,927	1,922,743	165,278
TOTAL IMPORTS	xx	...	41,326,516	...	44,092,526
<u>EXPORTS</u>					
Oil, petroleum, crude	gal.	5,438	497	897	132
Oil, coal and kerosene, refined ...	gal.	782,350	78,618	860,760	99,783
Oil, gasoline and naphtha	gal.	4,757,175	528,197	3,357,902	413,469
Oil, fuel and other mineral oils, n.o.p. (to March 31, 1935)	gal.	12,994,017	585,785	686,393	34,364
Oil, fuel (from April 1, 1935) ...	gal.	...	...	8,349,733	240,577
Oil, mineral, n.o.p. (from April 1, 1935)	gal.	...	...	465,697	110,177
Wax, mineral	cwt.	2,633	10,219	5,829	26,022
TOTAL EXPORTS	xx	...	1,203,316	...	924,524
<u>RE-EXPORTS</u>					
Fuel oil	gal.	...	...	9,316	792
Kerosene	gal.	25	24	42	14
Gasoline	gal.	5,497	2,268	10,826	1,646
Mineral oil, n.o.p.	gal.	2,433	1,540	1,980	1,572
TOTAL RE-EXPORTS	xx	...	3,832	...	4,024

Table 30 - IMPORTS INTO CANADA OF CRUDE PETROLEUM, FUEL OIL AND GASOLINE, BY COUNTRIES OF ORIGIN, 1934 and 1935.

	1 9 3 4		1 9 3 5	
	Imp. gal.	\$	Imp. gal.	\$
(a) Crude Oil				
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 -				
From - United States	796,002,139	24,066,785	865,899,944	26,192,486
Trinidad and Tobago ...	4,745,357	137,184	...	...
Columbia	150,056,019	4,248,696	113,056,992	3,240,382
Dutch West Indies .....	...	...	3,434,394	45,598
Ecuador .....	...	...	949,517	29,757
Peru	88,081,411	2,861,038	94,655,137	2,930,057
Venezuela	33,462,499	593,493	78,792,496	1,378,153
TOTAL	1,072,327,425	31,907,176	1,156,788,480	33,816,433
Crude petroleum not in its natural state, .7250 specific gravity or heavier at 60° temperature when imported by oil refiners to be refined in their own factories -				
From - United States	1,782,276	98,920	1,098,559	66,558
TOTAL	1,782,276	98,920	1,098,559	66,558
(b) Fuel Oil				
Petroleum (not including crude petroleum imported to be refined, or illuminating or lubricating oil 0.8235 specific gravity or heavier at 60° temperature (fuel oil) -				
From - United States	26,160,783	925,159	23,492,763	822,094
Dutch West Indies .....	...	...	5,847,532	227,421
Peru	6,796,867	224,108	1,525,790	57,903
Other countries	1,849	74	21,765	1,344
TOTAL	32,959,499	1,149,341	30,887,850	1,108,762
Fuel oil, ex-warehoused for ships' stores -				
From - United States	23,293,296	586,202	18,389,862	507,283
Mexico	188,650	3,641	...	...
TOTAL	23,481,946	589,843	18,389,862	507,283
(c) Gasoline				
Gasoline lighter than 0.8235 specific gravity at 60° temperature -				
From - United States	13,188,116	1,244,596	17,310,907	1,500,864
Roumania .....	...	...	2,219,625	141,844
Other countries	17,740	3,901	84,335	18,598
TOTAL	13,205,856	1,248,497	19,614,867	1,661,306
Gasoline, natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity at 60° temperature when imported by distillers of petroleum for blending with other gasolines distilled in Canada -				
From - United States	38,099,178	2,084,240	30,661,079	1,819,203
Peru	10,276,836	509,220	17,756,266	1,070,611
TOTAL	48,376,014	2,593,460	48,417,345	2,889,814

Table 31 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES IN CANADA, 1918 - 1935.

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

Table 32 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES SHOWING CANADIAN AND IMPORTED, SEPARATELY, 1926 - 1935.

	(a)	(b)	TOTAL
	Canadian	Imported	
	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

(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, 1934 and 1935.

Areas	1934		1935	
	Barrels	Value	Barrels	Value
NEW BRUNSWICK	11,545	23,300	13,359	26,718
ONTARIO -				
Petrolia and Enniskillen	57,938	121,642	59,282	123,243
Oil Springs	29,863	65,684	31,646	68,926
Moore Township	2,963	6,221	3,264	6,783
Sarnia Township	825	1,732	871	1,810
Plympton Township	202	424	237	493
Bothwell Township	32,133	67,463	34,714	72,136
West Dover	558	1,171	13,117	27,257
Onondaga	601	1,311	431	874
Mosa Township	9,031	18,961	8,788	18,262
Brooke	1,941	4,075	122	254
Dunwich	283	594	408	848
Raleigh	264	554	195	405
Thamesville	614	1,289	428	889
Dawn and Euphemia	4,169	8,753	11,538	23,976
TOTAL FOR ONTARIO	141,585	299,874	165,041	346,156

Table 33 - PRODUCTION OF CRUDE PETROLEUM IN CANADA, 1934 and 1935 (concluded)

Areas	1934		1935	
	Barrels	Value	Barrels	Value
ALBERTA -				
Turner Valley	1,227,486	3,181,503	1,215,599	3,046,547
Red Coulee	20,325	20,784	14,772	18,847
Wainwright	12,189	10,833	15,500	12,889
TOTAL FOR ALBERTA	1,260,000	3,213,120	1,245,871	3,078,283
NORTH WEST TERRITORIES	4,438	22,188	5,115	25,573
CANADA	1,417,368	3,558,482	1,429,386	3,476,730

NOTE - 1 barrel = 35 imperial gallons.

Table 34 - PRODUCTION OF GASOLINE IN CANADA, 1926 - 1935.

Years	Straight	By	TOTAL	Per cent of total made by cracking
	run	cracking		
	Imp. gal.	Imp. gal.	Imp. gal.	
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	50
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	57
1934	294,980,092	166,773,271	461,753,363	36
1935	292,520,425	221,195,579	513,716,004	43

Table 35 - AVERAGE WHOLESALE TANK WAGON PRICES FOR GASOLINE, ETC., BY MONTHS, 1935.

	Halifax	Montreal	Toronto	Winnipeg	Regina	Calgary	Vancouver
Gasoline -							
January .....	.180	.180	.160	.217	.230	.225	.200
February .....	.180	.180	.160	.217	.230	.225	.200
March .....	.180	.180	.160	.217	.230	.225	.200
April .....	.180	.180	.160	.217	.230	.225	.200
May .....	.180	.180	.160	.217	.230	.225	.200
June .....	.180	.180	.160	.217	.230	.225	.200
July .....	.180	.125	.160	.217	.230	.225	.200
August .....	.180	.145	.160	.217	.230	.225	.200
September .....	.180	.145	.160	.217	.230	.225	.200
October .....	.180	.145	.150	.217	.230	.225	.175
November .....	.180	.145	.150	.217	.230	.225	.175
December .....	.180	.145	.150	.217	.230	.225	.190
Yearly Average ....	.180	.161	.158	.217	.230	.225	.195
Kerosene .....	.195	.170	.173	.202	.215	.210	.240
Fuel oil, light .....	...	...	.080	...	...	...	...
Lubricating oils (Atlantic red oil) .	...	...	.296	...	...	...	...

Table 36 - APPARENT CONSUMPTION IN CANADA OF GASOLINE, FUEL OIL, ENGINE DISTILLATE, KEROSENE AND LUBRICATING OIL, 1933, 1934 and 1935.

	(a) Fuel and gas oils Imp. gal.	(c) Gasoline Imp. gal.	Lubricating oils Imp. gal.	Kerosene Imp. gal.	Tractor and engine distillate Imp. gal.
1933					
Production	(b) 430,314,092	422,936,793	17,826,220	49,028,329	
Plus imports	70,228,652	56,810,637	9,868,734	1,569,384	
	500,542,744	479,747,430	27,694,954	50,597,713	
Less exports and re- exports	10,658,848	4,050,640	...	1,001,014	
	489,883,896	475,696,790	27,694,954	49,596,699	
Plus decline in refinery stocks .....	...	...	2,862,493	...	
			30,557,493		
Less increase in refinery stocks	8,194,946	12,520,346	...	7,234,226	
APPARENT CONSUMPTION	481,688,950	463,176,444	30,557,493	42,362,473	
1934					
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	
	512,612,610	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	
1935					
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	...	860,802	...
	510,888,371	578,379,488	32,470,567	32,245,402	39,515,199
Plus decline in refinery stocks .....	...	...	330,056	...	...
	510,888,371	578,379,488	32,800,623	32,245,402	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	31,114,762	38,030,150

SEPARATELY.

AVAILABLE

NOT

(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 should really be omitted when compiling figures of Canadian consumption. In 1933, the amount under this item was 26,896,996 gallons, in 1934, 23,481,946 gallons, and in 1935, 18,389,862 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 37).

Table 37 - GROSS SALES OF GASOLINE IN CANADA, BY PROVINCES, 1931 - 1935.
(Gross sales = Imperial gallons sold for all purposes, according to returns under the provincial gasoline tax Acts)

Provinces	1931	1932	1933	1934	1935
Prince Edward Island ..	5,021,691	2,692,351	2,518,812	2,639,856	2,832,750
Nova Scotia	21,189,937	19,021,209	18,634,875	20,003,083	22,274,254
New Brunswick	16,027,155	13,671,394	12,574,097	13,640,325	15,185,003
Quebec	97,608,511	91,128,040	87,077,418	93,511,483	102,177,506
Ontario	250,415,880	233,945,251	228,415,717	252,976,407	272,680,687
Manitoba	30,307,724	26,185,160	24,895,531	27,694,263	28,482,682
Saskatchewan	49,449,699	33,635,929	31,837,173	36,784,519	39,166,282
Alberta	43,478,465	41,300,236	40,323,781	45,194,297	47,442,690
British Columbia	45,369,473	39,458,159	38,689,475	42,337,785	43,410,411
TOTAL GROSS SALES	556,868,535	501,037,709	484,966,879	534,782,018	573,652,245
REFUNDS	93,570,169	60,202,295	61,117,794	55,649,048	71,106,982
TOTAL NET SALES	463,298,366	440,835,414	423,849,085	479,132,970	502,545,263

Table 38 - GROSS SALES OF GASOLINE IN CANADA, BY MONTHS, 1931 - 1935.
(Gross sales = Imperial gallons sold for all purposes, according to returns under the provincial gasoline tax Acts)

Months	1931	1932	1933	1934	1935
January	28,117,601	25,198,893	27,384,021	24,300,057	26,414,564
February	25,832,846	26,742,284	22,441,414	22,197,254	24,057,501
March	26,310,957	26,695,250	26,294,104	26,160,700	28,184,610
April	39,186,167	35,165,374	30,597,785	35,443,657	39,051,628
May	56,205,217	47,013,144	43,095,468	46,311,499	50,770,270
June	55,612,977	50,996,451	48,993,519	53,590,880	59,183,547
July	67,242,171	51,519,110	56,593,594	61,880,074	67,158,612
August	63,471,618	61,445,860	61,942,393	63,316,327	64,427,729
September	61,848,713	63,507,468	60,484,940	63,569,055	70,585,456
October	54,845,501	43,373,998	43,391,628	56,461,839	59,638,499
November	44,854,087	40,218,080	35,560,468	46,855,910	47,022,193
December	33,340,680	29,161,797	28,187,545	34,694,766	37,157,636
TOTAL	556,868,535	501,037,709	484,966,879	534,782,018	573,652,245

Table 39 - NET SALES OF GASOLINE IN CANADA, BY PROVINCES, 1931 - 1935.
(Net sales = gallons sold on which no tax refunds have been granted, chiefly for motor vehicles)

Provinces	1931	1932	1933	1934	1935
	(Imperial gallons)				
Prince Edward Island ..	2,614,970	2,263,020	2,101,204	2,201,905	2,104,901
Nova Scotia	18,176,943	18,445,130	17,970,045	19,396,937	21,634,722
New Brunswick	15,077,095	12,860,471	11,062,961	11,741,220	13,053,657
Quebec	91,816,749	84,651,891	80,511,245	88,223,973	94,251,686
Ontario	226,192,080	217,593,086	214,397,088	239,500,357	255,652,086
Manitoba	22,142,728	21,517,430	21,824,425	25,999,205	26,531,210
Saskatchewan	26,479,689	21,998,369	19,241,325	27,015,504	25,210,670
Alberta	24,746,025	30,220,478	27,277,911	32,525,148	30,261,287
British Columbia	36,052,087	31,285,539	29,462,881	32,528,721	33,865,044
CANADA	463,298,366	440,835,414	423,849,085	479,132,970	502,545,263

Table 40 -- MONTHLY SALES OF GASOLINE IN CANADA, 1935, WITH TOTALS FOR 1934.
(in thousands of gallons)

Months	P. E. I.	N.S.	N.B.	Que- bec	Ontario	Mani- toba	Sas- kat- chewan	Al- berta	British Colum- bia	TOTAL
January ...	23	799	377	4,298	14,538	1,242	834	1,893	2,411	26,415
February ..	23	700	274	3,579	12,981	1,079	762	1,995	2,664	24,057
March	38	719	321	4,298	15,170	1,171	891	2,758	2,819	28,185
April	68	1,168	616	6,414	20,697	1,745	1,920	2,953	3,471	39,052
May	312	2,106	1,464	9,552	21,842	2,642	4,191	4,793	3,868	50,770
June	347	2,285	1,785	10,603	29,730	2,727	3,886	4,746	3,075	59,184
July	423	2,833	2,128	12,552	31,336	3,425	4,523	5,134	4,805	67,159
August	420	2,992	2,272	12,568	27,583	3,402	4,834	5,402	4,954	64,427
September ..	357	2,589	1,976	11,499	33,244	3,426	7,157	5,920	4,417	70,585
October ...	377	2,531	1,870	11,038	23,618	3,592	6,416	5,981	4,215	59,638
November ..	268	2,025	1,333	9,100	22,939	2,257	2,250	3,106	3,744	47,022
December ..	176	1,527	769	6,677	19,003	1,775	1,502	2,762	2,967	37,158
TOTAL FOR 1935	2,832	22,274	15,185	102,178	272,681	28,483	39,166	47,443	43,410	573,652
TOTAL FOR 1934	2,640	20,003	13,640	93,511	252,977	27,694	36,785	45,194	42,338	534,782

Table 41 -- REVENUES(x) FROM GASOLINE TAXES, BY PROVINCES, 1932 - 1935.

Provinces	1932	1933	1934	1935
	\$	\$	\$	\$
Prince Edward Island	134,398	166,831	174,485	178,687
Nova Scotia	957,781	933,571	1,303,046	1,422,542
New Brunswick	782,261	865,790	852,199	1,006,421
Quebec	5,250,172	4,952,764	5,127,448	5,666,442
Ontario	13,510,755	12,852,577	13,828,051	15,021,994
Manitoba	1,514,260	1,643,600	1,770,900	1,795,900
Saskatchewan	1,328,951	1,289,989	1,715,053	1,862,300
Alberta	1,551,227	1,739,240	1,960,349	2,048,272
British Columbia	2,053,511	2,023,403	2,323,322	2,530,087
CANADA	27,083,316	26,467,765	29,054,853	31,532,645

(x) 1935 figures are preliminary and subject to slight revision.

Table 42 -- 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	March 15, 1926	5
	March 11, 1927	5
	April 1, 1932	6
	May 1, 1934	8

Table 42 - DATES WHEN GASOLINE ACTS BECAME EFFECTIVE AND RATES OF TAX (concluded)

Provinces	Dates gasoline tax rates became effective	Rates per gallon (x) cents
New Brunswick	April 30, 1926	3
	December 1, 1928	5
	April 1, 1932	7
	April 1, 1934	8
Quebec	April 1, 1924	2
	April 1, 1925	3
	April 1, 1928	5
	December 17, 1931	6
Ontario	May 11, 1925	3
	March 27, 1929	5
	March 25, 1932	6
Manitoba	April 27, 1923	1
	March 5, 1925	3
	April 14, 1930	5
	May 7, 1932	7 (refund 5 cents)
Saskatchewan	May 1, 1928	3
	April 1, 1930	5
	May 1, 1932	6)
	April 1, 1935	7) (refund 5 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, 1935.

Table 43 - REGISTRATIONS(x) OF MOTOR VEHICLES IN CANADA, 1904 - 1934.

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

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

Table 44 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, BY PROVINCES, 1931 - 1935.

Provinces	1931	1932	1933	1934	1935
	No.	No.	No.	No.	No.
Prince Edward Island ...	7,744	6,982	6,940	7,206	8,231
Nova Scotia	43,758	41,153	40,443	41,932	43,952
New Brunswick	33,627	28,044	26,842	29,094	31,227
Quebec	177,485	165,730	160,012	165,526	170,644
Ontario	562,220	531,597	520,353	542,245	564,076
Manitoba	75,210	71,570	68,740	70,430	70,660
Saskatchewan	107,981	91,275	84,734	91,461	94,792
Alberta	94,727	86,878	86,110	89,369	93,870
British Columbia	97,932	91,042	88,554	92,021	98,411
Yukon	223	232	229	248	263
CANADA	1,200,907	1,114,503	1,082,957	1,129,532	1,176,126

Table 45 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, BY TYPE, 1935.

Provinces	Passenger cars	Taxi-cabs	Motor trucks	Motor buses	Motor cycles	Ambulances, hearses, etc.	TOTAL
	No.	No.	No.	No.	No.	No.	No.
Prince Edward Island ...	7,420	(x)	787	3	16	5	8,231
Nova Scotia	35,820	(x)	7,597	44	312	179	43,952
New Brunswick	26,195	(x)	4,624	58	173	177	31,227
Quebec	135,293	4,204	28,153	505	2,489	...	170,644
Ontario	489,610	(x)	69,256	704	4,506	...	564,076
Manitoba	59,170	300	10,250	80	590	270	70,660
Saskatchewan	75,467	260	18,636	64	365	...	94,792
Alberta	76,562	320	16,353	91	480	64	93,870
British Columbia	78,999	(x)	17,023	298	1,544	547	98,411
Yukon	134	...	96	1	9	23	263
CANADA	984,670	5,084	172,775	1,848	10,484	1,265	1,176,126

(x) Included with passenger automobiles.

Table 46 - 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 47 - PETROLEUM FUELS MARKETED IN CANADA, BY PROVINCES, Calendar Years 1933 and 1934.

NOTE - Figures taken from "Petroleum Fuels in Canada" issued by the Mines Branch, Department of Mines, in co-operation with the Dominion Fuel Board.

Provinces	Fuel oil(x) (Millions of Imp. gallons)	Kero- sene	Gas- line	TOTAL	Per cent	Coke (thousands of short tons)
<u>1933</u>						
New Brunswick and Prince Edward Island						
Edward Island	6	2	15	23	2)	0.4
Nova Scotia	23	2	19	44	5)	
Quebec	111	6	87	206	23	2.2
Ontario	70	10	228	308	35	61.5
Manitoba	6	4	24	34	4	nil
Saskatchewan	10	8	32	50	5)	
Alberta	11	9	49	60	7)	13.1
British Columbia	126	1	39	166	19	nil
TOTAL	363	42	484	889	...	82.2
Per cent	41	5	54	...	100	...
<u>1934</u>						
New Brunswick and Prince Edward Island						
Edward Island	11	2	17	30	3	...
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	...
Saskatchewan	11	6	37	54	5	13.7
Alberta	17	6	45	68	7	2.5
British Columbia	136	2	42	180	18	2.4
TOTAL	425	36	555	996	...	56.4
Per cent	42	4	54	...	100	...

(x) Not including 55 millions used as fuel in oil refineries during 1934 and 57 millions in 1933.

Data for 1935 are not yet available.

Table 48 - FUEL OIL DELIVERIES, SPECIFIC USES, BY PROVINCES, (As reported by distributors and importers - Imperial gallons - Calendar years)

NOTE - Figures taken from "Petroleum Fuels in Canada" issued by the Mines Branch, Department of Mines, in co-operation with the Dominion Fuel Board.

Area	DOMESTIC AND BUILDING		INDUSTRIAL (and manu- facturers ¹) heating	TRACTOR fuel oil, not lubricant	RAILWAYS principally locomotive and shop fuel	BUNKERING includes distribu- tors ² tankers	TOTAL DELIVERIES Imperial Gallons	Per cent of total
	Heating Domestic cus- tomers No.	Quantity						
1933								
N.B. and P.E.I. ..	1,973	1,979,990	714,277	25,932	1,872,148	1,551,992	6,144,339	1.7
Nova Scotia	2,496	1,899,192	4,683,571	228,961	91,898	16,429,504	23,333,126	6.4
Quebec	19,505	44,252,995	16,045,348	22,242	528,076	49,827,940	110,676,601	30.5
Ontario	24,096	31,972,187	28,385,558	1,644,991	1,536,686	6,268,713	69,808,135	19.3
Prairies	1,409	3,156,964	5,583,811	10,426,241	7,818,010	...	26,985,026	7.4
British Columbia ..	3,742	13,795,430	19,024,953	282,575	37,642,560	54,934,398	125,679,916	34.7
TOTAL	53,221	97,056,758	74,437,518	12,630,942	49,489,378	129,012,547	362,627,143	100.0
1934								
N.B. and P.E.I. ..	1,983	2,804,467	4,243,495	...	1,606,542	2,527,429	11,131,933	2.7
Nova Scotia	2,937	3,512,199	4,439,325	...	94,573	24,947,514	32,993,611	7.8
Quebec	17,191	44,480,361	14,992,237	1,358,438	1,157,892	61,331,280	123,320,208	29.0
Ontario	27,125	39,421,371	35,491,443	2,070,223	2,069,239	6,071,590	85,123,866	20.0
Manitoba	1,140	2,235,340	2,056,429	3,417,396	965,952	1,118	8,676,235	2.0
Saskatchewan	384	471,553	2,868,686	7,192,323	109,977	...	10,642,539	2.5
Alberta (and North West Territories)	6	263,114	584,903	8,158,710	7,423,412	97,163	16,527,302	3.9
British Columbia (and Yukon)	4,524	16,555,267	30,422,909	108,025	37,310,359	52,018,392	136,414,952	32.1
TOTAL	55,290	109,743,672	95,099,427	22,305,115	50,737,946	146,994,486	424,880,646	100.0

Amounts respectively recorded 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 and as required. Fuel oil^{1/2} of all grades between 5° and about 42° A.P.I. and processed from petroleum.

Amounts of 55 millions in 1934 and 57 millions in 1933 used as fuel in oil refineries were not included.

Table 49 - FREIGHT MOVEMENT IN PETROLEUM PRODUCTS - REVENUE FREIGHT CARRIED BY CANADIAN RAILWAYS, 1935.
(tons)

Provinces and commodities	Freight originated				Freight terminated			
	Loaded at stations in province	Received from		TOTAL:	Unloaded at stations in provinces	Delivered to foreign connections:	Export Import	
		Canadian points	Foreign points				Column 1-5	Column 5-1
	1	2	3	4	5	6	7	8
<u>Prince Edward Island -</u>								
Crude petroleum .....	...	...	...	...	...	...	...	...
Asphalt	43	...	...	43	5,230	...	...	5,187
Gasoline	3,326	...	...	3,326	9,033	...	...	5,707
Other petroleum products.	465	...	...	465	4,827	...	...	4,362
<u>Nova Scotia -</u>								
Crude petroleum	236	...	...	236	22	...	214	...
Asphalt	43,123	...	...	43,123	16,534	8	26,589	...
Gasoline	53,879	...	...	53,879	60,115	...	...	6,236
Other petroleum products.	31,902	278	27	32,207	31,342	1,084	560	...
<u>New Brunswick -</u>								
Crude petroleum .....	...	...	...	...	...	47	...	...
Asphalt	1,579	62	...	1,641	21,502	43	...	19,923
Gasoline	44,575	...	5,276	49,851	41,946	3,739	2,629	...
Other petroleum products.	9,810	357	670	10,837	18,883	574	...	9,073
<u>Quebec -</u>								
Crude petroleum	512	...	...	512	99	25	413	...
Asphalt	44,538	1,313	454	46,305	26,331	304	18,207	...
Gasoline	228,255	18,863	15,765	262,883	227,775	7,972	480	...
Other petroleum products.	99,781	8,655	9,246	117,682	124,783	5,752	...	25,002
<u>Ontario -</u>								
Crude petroleum	14,657	32,527	1,780	48,964	30,610	1,891	...	15,953
Asphalt	43,731	3,738	13,644	61,113	63,548	13,679	...	19,817
Gasoline	494,109	37,007	44,319	575,435	458,349	45,870	35,760	...
Other petroleum products.	256,915	59,840	65,222	382,277	220,175	66,155	36,740	...

<u>Manitoba -</u>								
Crude petroleum	16	37,869	...	37,885	47,157	...	...	47,141
Asphalt	214	221	...	435	10,747	...	...	10,533
Gasoline	5,796	9,700	...	15,496	113,121	...	...	107,325
Other petroleum products.	14,394	8,938	...	23,332	64,997	...	...	50,603
<u>Saskatchewan -</u>								
Crude petroleum	4,063	141,583	...	145,646	221,760	...	...	217,697
Asphalt	8,467	11	...	8,478	504	...	7,963	...
Gasoline	62,909	3,825	...	66,734	100,106	196	...	37,197
Other petroleum products.	60,915	7,860	376	69,151	96,254	...	...	35,339
<u>Alberta -</u>								
Crude petroleum	180	226,490	...	226,670	152,731	...	...	152,731
Asphalt	7,074	...	...	7,074	5,485	...	1,589	...
Gasoline	119,796	8,195	...	127,991	102,141	...	17,655	...
Other petroleum products.	72,673	558	...	73,231	68,776	...	3,897	...
<u>British Columbia -</u>								
Crude petroleum	15	274	...	289	2	...	13	...
Asphalt	15,252	709	...	15,961	17,790	...	...	2,538
Gasoline	54,206	672	809	55,687	53,501	613	705	...
Other petroleum products.	34,393	3,685	...	38,078	37,023	373	...	2,630

NOTE - Asphalt includes natural and by-product petroleum.

DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1935.

Name of Company	Location of refinery	Crude oil capacity Bbls. per 24 hours	Type of refinery	Cracking Type	plant Capacity Bbls. per 24 hours
<u>NOVA SCOTIA -</u>					
Imperial Oil Limited	Imperial	11,000	S - C	Tube & Tank	7,000
<u>NEW BRUNSWICK -</u>					
New Brunswick Gas & Oilfields Ltd.	Weldon	100	S	-	-
<u>QUEBEC -</u>					
British American Oil Refineries Limited	Montreal East	12,000	S - C	Liquid and vapour phase	6,000
Imperial Oil Limited	Montreal East	30,000	S - C	Tube & Tank	12,000
McCull-Fontenac Oil Co. Limited	Montreal East	12,500	S - C	2 Jenkins units & Kellogg unit	8,000
Shell Oil Company of Canada Ltd.	Montreal East	5,000	S - C	Dubbs Selective	4,000
<u>ONTARIO -</u>					
British American Oil Refineries Limited, The	Toronto	5,000	S - C	Liquid and vapour phase	3,000
Burlington Refineries Ltd.	Hamilton	600	S	-	-
Canadian Oil Refineries Limited	Petrolia	2,500	S - C	Liquid phase	1,000
Good Rich Refining Co. Ltd.	Toronto	200	S	-	-
Imperial Oil Limited	Sarnia	25,000	S - C	Tube & Tank	15,000
Lloyd Refineries Ltd.	Port Credit	1,600	S	-	-
McCull-Fontenac Oil Co. Limited	Toronto	5,000	S - C	2 Jenkins units 3 Gyro units	3,500
<u>MANITOBA -</u>					
Direct Oil Refineries Ltd.	St. Boniface	200	S	-	-
North Star Oil Limited	St. Boniface	800	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	260	S	-	-
Consumers Co-Operative Refineries Ltd.	Regina	500	S	-	-
Eston Refining Co. Ltd.	Eston	300	S	-	-
Hi-Way Refineries Limited	Regina	200	S	-	-
Home Oil and Refining Co. Ltd.	Humboldt	300	S	-	-
Imperial Oil Limited	Regina	7,000	S - C	Tube & Tank	3,800
Karels' Hi-Way Refinery Ltd.	Regina	350	S - C	Baize	350
Moose Jaw Hi-Way Refinery Ltd.	Moose Jaw	200	S	-	-
Prince Albert Hi-Way Refinery Limited	Prince Albert	200	S	-	-
Rosetown Hi-Way Refinery Limited	Rosetown	200	S	-	-
Saskatoon Hi-Way Refinery Ltd.	Saskatoon	200	S	-	-
Swift Current Hi-Way Refinery Limited	Swift Current	180	S	-	-
Weyburn Hi-Way Refinery Ltd.	Weyburn	300	S	-	-

DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1935 (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>ALBERTA -</u>					
Alberta Hi-Way Refineries Limited	Edmonton	400	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	-	-
Gold Standard Oils Ltd.	Wainwright	500	S	-	-
Imperial Oil Limited	Calgary	6,000	S - C	Tube & Tank	3,000
Lion Refining Company	Calgary	500	S	-	-
Maple Leaf Petroleum Limited	Coutts	4,000	S	-	-
Widney Refineries	Turner Valley	150	S	-	-
<u>BRITISH COLUMBIA -</u>					
Hi-Way Oil Company Limited	New Westminster	200	S	-	-
Imperial Oil Limited	Ioco	13,000	S - C	Tube & Tank	5,500
Shell Oil Company of British Columbia Ltd.	Vancouver	4,000	S	-	-
Vancouver Oil Company Limited	Vancouver	1,000	S	-	-
<u>NORTH WEST 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, 1935.

QUEBEC -

Chapman, L. L. & W. H.	Hull
Economic Products Ltd.	Outremont
Union Products	Montreal

ONTARIO -

Campbell Grease Company	Toronto
Hollingshead Co. of Canada, Ltd., The R. M.	Bowmanville
Ontario Lubricating Co. Ltd., The	Hamilton
Three in One Oil Company	Windsor
Tide Water Oil Co. of Canada, Ltd.	Toronto

BRITISH COLUMBIA -

Union Oil Co. of Canada, Ltd.	Port Moody
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