

45-205  
C.1

NOT FOR LOAN  
NE S'EMPRUNTE PAS

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

STATISTICS STATISTIQUE  
CANADA CANADA

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

SEP 13 2009

LIBRARY  
BIBLIOTHEQUE

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

PETROLEUM PRODUCTS INDUSTRY, 1938.

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

Forty-seven refineries and 12 blending plants, or a total of 59 works, reported under this category in 1938 and the aggregate value of production was \$97,003,347, a slight decline from the 1937 total of \$98,454,014.

Output figures for 1938 included \$96,121,611 for petroleum refineries and \$881,736 for concerns engaged in blending oils and greases, against corresponding totals in 1937 of \$97,701,954 and \$752,060, respectively. The principal statistics for each of these groups and for the industry as a whole are tabulated below and the detailed figures for each division are recorded separately in the succeeding pages of this report.

Table 1 - PRINCIPAL STATISTICS OF THE PETROLEUM PRODUCTS INDUSTRY, 1934 - 1938.

Year	No. of plants	Capital employed	Average number of employees	Salaries and Wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
<u>PETROLEUM REFINING</u>							
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	66,219,418	85,172,981
1937 .....	44	63,759,579	5,047	8,126,583	4,444,878	79,993,972	97,701,954
1938 .....	47	62,097,038	4,586	7,750,746	4,678,933	75,993,557	96,121,611
<u>COMPOUNDING OILS AND GREASES</u>							
1934 .....	9	570,545	81	104,427	6,837	309,523	551,836
1935 .....	13	695,409	85	106,549	7,625	453,898	774,444
1936 .....	13	576,106	84	116,807	5,313	336,737	629,382
1937 .....	13	520,687	90	120,260	5,127	407,908	752,060
1938 .....	12	523,870	89	122,294	4,284	425,959	881,736
<u>TOTAL</u>							
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
1937 .....	57	64,280,266	5,137	8,246,843	4,450,005	80,401,880	98,454,014
1938 .....	59	62,620,908	4,675	7,873,040	4,683,217	76,419,516	97,003,347

Table 2 - PRINCIPAL STATISTICS OF THE PETROLEUM PRODUCTS INDUSTRY, BY PROVINCES, 1937 and 1938.

Province	No. of plants	Capital employed	Average number of employees	Salaries and Wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
<u>1937</u>							
Quebec .....	8	24,247,079	1,212	2,117,224	1,513,148	26,680,351	33,906,272
Ontario .....	14	20,444,475	2,129	3,360,737	1,592,353	24,751,152	28,842,214
Manitoba .....	3	614,858	66	74,834	38,150	991,665	1,569,130
Saskatchewan ....	17	4,697,033	463	670,500	349,850	5,937,890	7,659,551
Alberta .....	8	3,863,406	410	642,974	197,588	5,766,122	8,373,725
British Columbia	4	5,114,725	370	631,779	302,384	8,398,981	10,430,368
Other provinces .	3	5,298,690	487	748,795	456,532	7,875,719	7,672,754
CANADA .....	57	64,280,266	5,137	8,246,843	4,450,005	80,401,880	98,454,014
<u>1938</u>							
Quebec .....	8	25,139,180	1,046	1,915,626	1,683,686	24,977,619	31,354,925
Ontario .....	13	19,424,451	2,019	3,362,982	1,590,383	24,136,319	29,442,712
Manitoba .....	5	771,969	100	99,530	43,157	1,044,062	1,659,986
Saskatchewan ....	12	4,094,938	410	616,655	446,607	6,660,841	9,389,608
Alberta .....	14	3,698,938	410	631,463	295,430	6,056,105	9,101,782
British Columbia	4	4,251,575	309	589,389	250,456	7,628,198	9,037,086
Other provinces .	3	5,239,857	381	657,395	373,498	5,916,372	7,017,248
CANADA .....	59	62,620,908	4,675	7,873,040	4,683,217	76,419,516	97,003,347

Table 3 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, NUMBER OF EMPLOYEES, and CAPITAL EMPLOYED, 1938.

	Number of plants	Capital employed	Number of employees	Gross selling value of products at works
		\$		\$
<u>(a) PRODUCTION</u>				
Under \$25,000 .....	15	378,920	53	158,289
\$25,000 to \$50,000 .....	6	206,403	25	205,533
\$50,001 to \$100,000 .....	6	951,217	60	444,562
\$100,001 to \$250,000 .....	8	1,178,600	113	1,092,842
\$250,001 to \$500,000 .....	4	646,285	90	1,329,985
\$500,001 to \$1,000,000 .....	6	2,053,527	277	4,043,920
\$1,000,001 to \$5,000,000 .....	5	10,137,949	398	13,493,553
Over \$5,000,000 .....	9	47,068,007	3,659	76,234,663
TOTAL .....	59	62,620,908	4,675	97,003,347
<u>(b) NUMBER OF EMPLOYEES</u>				
1 or 2 .....	9	88,381	13	105,674
3 to 10 .....	19	1,161,913	121	970,218
11 to 20 .....	9	2,091,467	137	3,399,564
21 to 50 .....	7	2,073,191	237	2,799,671
51 to 100 .....	3	4,918,230	199	6,085,412
101 to 250 .....	8	27,079,494	1,167	40,818,918
Over 250 .....	4	25,208,232	2,801	42,823,890
TOTAL .....	59	62,620,908	4,675	97,003,347
<u>(c) CAPITAL EMPLOYED</u>				
Under \$25,000 .....	13	145,248	36	192,988
\$25,000 to \$100,000 .....	17	1,082,935	141	1,218,550
\$100,001 to \$1,000,000 .....	16	5,072,045	368	7,901,844
Over \$1,000,000 .....	13	56,320,680	4,130	87,689,965
TOTAL .....	59	62,620,908	4,675	97,003,347

(a) PETROLEUM REFINING INDUSTRY.

The 47 petroleum refineries which operated during 1938 were distributed as follows - 14 in Alberta, 12 in Saskatchewan, 5 in Quebec, 5 in Ontario, 5 in Manitoba, 3 in British Columbia, and 1 in each of Nova Scotia, New Brunswick and Northwest Territories. Compared with 1937 there was a gain of 6 refineries in Alberta, 2 in Manitoba and a loss of 5 in Saskatchewan, while in the other provinces the number remained unchanged. The operating refineries had a capacity of 181,335 imperial gallons of crude oil per day, distributed by provinces as follows - Quebec, 65,500 gallons or 36.1 per cent, Ontario 41,500 gallons or 22.9 per cent, British Columbia 22,500 gallons or 12.4 per cent, Nova Scotia 20,000 gallons or 11.0 per cent, Saskatchewan 14,475 gallons or 8.0 per cent, Alberta 13,600 gallons or 7.5 per cent, Manitoba 3,360 gallons or 1.9 per cent, New Brunswick 250 gallons or .01 per cent and the Northwest Territories 150 gallons or .08 per cent. Fifteen establishments reported cracking units in use with aggregate capacity of about 86,660 barrels per day. The location, type and capacity of each of these refineries is recorded in the Directory at the end of this report.

In 1938 operating refineries used 1,182,166,964 gallons of imported crude oil and 236,492,200 gallons of crude oil, naphtha and absorption gasoline from Canadian wells, a total of 1,418,659,164 gallons which was equal to about 61 per cent of Canada's refinery capacity. About 60.7 per cent, or 860,937,283 gallons, was imported from the United States, 22.6 per cent, or 321,229,681 gallons, was brought in from other countries and 16.7 per cent, or 236,492,200 gallons was from Canadian sources. The total cost at the refineries of all crude oil and naphtha, charged to stills during the year was \$70,880,052. Stocks of crude and naphtha held at the refineries at the end of the year totalled 162,860,929 gallons.

Gasoline production in 1938 amounted to 654,029,125 gallons of which 362,583,649 gallons were made by the straight run process and 291,445,476 gallons by cracking. In addition, the refineries used for blending purposes a total of 47,265,103 gallons of imported casinghead gasoline, which was not included in the production figures. The gallonage of gasoline made in 1938 was the highest on record being 2 per cent greater than the output in 1937 which in turn was 15 per cent over 1936. The value of the 1938 production was \$58,649,032 at refinery prices. Stocks held at the refineries at the end of the year included 87,103,588 of straight run and cracked gasoline and 6,828,407 gallons of imported casinghead gasoline.

Imports of gasoline, including casinghead during 1938 amounted to 119,038,120 gallons which, with the production of 654,029,125 plus the reduction in refinery stocks of 1,844,503 gallons and less the exports of 4,984,879 gallons, made an apparent consumption in Canada of 769,926,869 gallons for the year. The actual sales as reported to the Provincial Governments under the Gasoline Tax Acts amounted to only 762,592,300 gallons.

Production in Canadian refineries of fuel and gas oils (excluding any made and used for cracking purposes) totalled 540,907,971 gallons of which 482,354,265 gallons were for sale and 58,553,706 gallons for use as fuel in the refineries. Imports aggregated 51,273,799 gallons and exports amounted to 1,847,017 gallons. Refinery stocks at the end of the year were about 82,751,563 gallons or 2,325,063 gallons less than in 1937. The apparent consumption in Canada, as calculated from the above figures, was 592,659,806 gallons.

The output of tractor and engine distillate was 35,002,461 gallons in 1938 and imports amounted to 1,142,847 gallons. Stocks at refineries increased 4,115,975 gallons. The apparent Canadian consumption was 32,029,333 gallons.

Refinery production of lubricating oils was 21,617,349 gallons and the output from the blending plants was 1,091,652 gallons, making a total production in Canada of 22,709,001 gallons. By adding to this figure the imports of 16,173,426 gallons and deducting the increase in refinery stocks of 132,899 gallons, an estimate of 38,749,528 gallons is obtained as the Canadian consumption in 1938.

Production of lubricating grease in refineries was 13,658,233 pounds and in the blending plants, 612,876 pounds, a total of 14,271,109 pounds. The latter quantity plus imports of 5,588,079 pounds indicates a consumption in Canada of 19,859,188 pounds for all purposes in 1938.

Capital employed in the petroleum refining industry in 1938 was reported at \$62,097,038 of which \$33,424,781 was the value placed on lands, buildings and equipment. The average number of employees was 4,586 and payments to these workers in salaries and wages was \$7,750,746. Materials used in refining operations cost \$75,993,557, fuel and electricity cost \$4,678,933, and products were valued at \$96,121,611.



Table 4 - NUMBER and TOTAL CAPACITY OF PETROLEUM REFINERIES IN OPERATION IN CANADA, 1935 - 1938.

Province	1935		1936		1937		1938	
	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day	Number	Capacity in barrels of crude per day
Nova Scotia .....	1	11,000	1	11,000	1	11,000	1	20,000
New Brunswick .....	1	100	1	250	1	250	1	250
Quebec .....	4	59,500	4	65,500	5	68,500	5	65,500
Ontario .....	7	39,900	5	39,500	5	40,500	5	41,500
Manitoba .....	4	2,450	4	2,650	3	2,450	5	3,360
Saskatchewan .....	14	14,190	18	15,250	17	16,070	12	14,475
Alberta .....	9	14,860	12	16,860	8	9,800	14	13,600
British Columbia ...	4	18,200	4	20,000	3	19,500	3	22,500
N. W. Territories ..	1	150	1	150	1	150	1	150
<b>CANADA .....</b>	<b>45</b>	<b>160,350</b>	<b>50</b>	<b>171,160</b>	<b>44</b>	<b>168,220</b>	<b>47</b>	<b>181,335</b>

NOTE - 1 barrel = 35 Imperial gallons.

Table 5 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, 1921 - 1938.

Year	Number of refineries	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
		\$		\$	\$	\$	\$
1921 .....	11	55,630,864	3,911	6,003,559	4,429,308	35,850,663	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	8,003,367	3,869,683	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
1937 .....	44	63,759,579	5,047	8,126,583	4,444,878	79,993,972	97,701,954
1938 .....	47	62,097,038	4,586	7,750,746	4,678,933	75,993,557	96,121,611

Table 6 - PRINCIPAL STATISTICS OF THE PETROLEUM REFINING INDUSTRY, BY PROVINCES, 1937 and 1938.

Province	Number of refineries	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
<u>1937</u>							
Quebec .....	5	24,142,108	1,189	2,086,440	1,510,618	26,612,750	33,794,238
Ontario .....	5	20,032,311	2,065	3,272,974	1,590,177	24,414,845	28,209,955
Manitoba .....	3	614,858	66	74,834	38,150	991,665	1,569,130
Saskatchewan ....	17	4,697,033	463	670,500	349,850	5,937,890	7,659,551
Alberta .....	8	3,863,406	410	642,974	197,588	5,766,122	8,373,825
British Columbia	3	5,111,173	367	630,066	301,963	8,394,981	10,422,601
Other provinces .	3	5,298,690	487	748,795	456,532	7,875,719	7,672,754
CANADA .....	44	63,759,579	5,047	8,126,583	4,444,878	79,993,972	97,701,954
<u>1938</u>							
Quebec .....	5	25,040,477	1,024	1,881,674	1,681,283	24,929,320	31,243,848
Ontario .....	5	19,005,635	1,954	3,276,492	1,588,619	23,762,266	28,679,052
Manitoba .....	5	771,969	100	99,530	43,157	1,044,062	1,659,986
Saskatchewan ....	12	4,094,938	410	616,655	446,607	6,660,841	9,389,608
Alberta .....	14	3,698,938	410	631,463	295,430	6,056,105	9,101,782
British Columbia	3	4,245,224	307	587,537	250,339	7,624,591	9,030,087
Other provinces .	3	5,239,857	381	657,395	373,498	5,916,372	7,017,248
CANADA .....	47	62,097,038	4,586	7,750,746	4,678,933	75,993,557	96,121,611

Table 7 - CAPITAL EMPLOYED IN THE PETROLEUM REFINING INDUSTRY, 1937 and 1938.

Province	Present value of lands, buildings, machinery and equipment	Inventory value of finished products and materials on hand and stocks in process	Operating capital (cash, bills and accounts receivable, etc.)	TOTAL CAPITAL EMPLOYED
<u>1937</u>				
Quebec .....	12,495,659	11,529,930	116,519	24,142,108
Ontario .....	12,965,897	6,866,918	209,496	20,032,311
Manitoba .....	279,495	190,312	145,051	614,858
Saskatchewan ....	2,237,232	2,204,887	254,914	4,697,033
Alberta .....	1,857,429	1,783,115	222,862	3,863,406
British Columbia	2,436,077	2,535,268	139,828	5,111,173
Other provinces .	2,489,808	2,696,153	112,729	5,298,690
CANADA .....	34,761,597	27,796,583	1,201,399	63,759,579
<u>1938</u>				
Quebec .....	13,514,127	11,434,722	91,628	25,040,477
Ontario .....	11,300,616	6,988,509	716,510	19,005,635
Manitoba .....	370,562	207,660	193,747	771,969
Saskatchewan ....	1,937,566	1,974,510	182,862	4,094,938
Alberta .....	1,591,192	1,886,171	221,575	3,698,938
British Columbia	2,170,706	2,070,735	3,783	4,245,224
Other provinces .	2,540,012	2,359,777	340,068	5,239,857
CANADA .....	33,424,781	26,922,084	1,750,173	62,097,038

Table 8 - EMPLOYEES IN PETROLEUM REFINERIES, SALARIES and WAGES, 1937 and 1938.

Province	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
1937								
Quebec .....	163	12	1,014	...	1,189	449,583	1,636,857	2,086,440
Ontario .....	293	47	1,720	5	2,065	822,077	2,450,897	3,272,974
Manitoba .....	17	4	45	...	66	34,593	40,241	74,834
Saskatchewan .....	104	15	342	2	463	211,627	458,873	670,500
Alberta .....	60	10	340	...	410	169,949	473,025	642,974
British Columbia ..	71	15	281	...	367	192,221	437,845	630,066
Other provinces ..	55	17	414	1	487	185,809	562,986	748,795
CANADA .....	763	120	4,166	8	5,047	2,065,859	6,060,724	8,126,583
1938								
Quebec .....	168	20	835	1	1,024	467,799	1,413,875	1,881,674
Ontario .....	298	45	1,605	6	1,934	878,714	2,397,778	3,276,492
Manitoba .....	29	7	64	...	100	43,682	55,848	99,530
Saskatchewan .....	72	15	321	2	410	171,621	445,034	616,655
Alberta .....	71	11	327	1	410	172,162	459,301	631,463
British Columbia ..	59	12	236	...	307	187,295	400,242	587,537
Other provinces ..	47	16	318	...	381	178,188	479,207	657,395
CANADA .....	744	126	3,706	10	4,586	2,099,461	5,651,285	7,750,746

Table 9 - NUMBER OF WAGE-EARNERS IN PETROLEUM REFINERIES, BY MONTHS, 1938.

Month	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Other Provinces	CANADA
January .....	875	1,622	45	263	276	253	329	3,663
February .....	858	1,641	44	287	291	255	329	3,705
March .....	878	1,666	39	305	309	254	329	3,780
April .....	907	1,663	56	334	316	256	329	3,861
May .....	829	1,636	68	347	317	243	329	3,769
June .....	851	1,645	70	345	323	228	343	3,805
July .....	819	1,647	69	352	312	230	329	3,768
August .....	830	1,647	81	347	359	227	328	3,819
September .....	825	1,603	83	346	356	227	318	3,758
October .....	795	1,609	73	344	350	218	284	3,673
November .....	792	1,589	67	325	349	221	275	3,618
December .....	774	1,485	59	287	347	222	271	3,445
AVERAGE .....	836	1,611	64	323	328	236	318	3,716

Table 10 - FUEL(x) and ELECTRICITY USED IN PETROLEUM REFINERIES, 1937 and 1938.

Kind	Unit of measure	1937		1938	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian .....	short ton	353	2,084	156	967
Imported .....	short ton	28,305	129,107	21,565	98,473
Coke, including petroleum coke .....	short ton	2,369	8,922	5,948	15,439
Gasoline .....	Imp. gal.	175,412	16,554	1,337	495
Kerosene or coal oil .....	Imp. gal.	36,622	2,815	...	...
Fuel oil .....	Imp. gal.	54,899,224	2,111,836	58,629,349	2,167,809
Wood .....	cord	371	869	146	558
Gas - Manufactured, including still gas	M cu.ft.	6,199,110	1,442,748	6,486,618	1,615,350
Natural .....	M cu.ft.	1,095,926	98,829	1,649,973	146,182
Other fuel .....	\$	...	213,288	...	214,695
Electricity purchased .....	K. W. H.	55,077,721	417,826	54,160,652	418,965
TOTAL .....	\$	...	4,444,878	...	4,678,933
Electricity generated for own use .....	K. W. H.	...	...	134,000	...

(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 14 - MATERIALS USED IN PETROLEUM REFINERIES, BY PROVINCES, 1938.

Material	Unit of measure	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Other Provinces
Crude oil (under 60° A.P.I.) in its natural state, from Canadian wells.	Imp.gal.	...	5,889,667	7,205,596	101,705,917	100,834,487	...	1,469,458
	⌘	...	373,404	508,934	5,736,212	4,093,149	...	95,344
Crude naphtha (60° A.P.I. and over) in its natural state, from Canadian wells	Imp.gal.	...	...	...	...	12,035,820	...	...
	⌘	...	...	...	...	746,679	...	...
Absorption gasoline, etc. from Canadian wells (run to stills)	Imp.gal.	...	...	...	87,347	7,263,908	...	...
	⌘	...	...	...	12,906	483,397	...	...
Crude oil, in its natural state, imported (run to stills) -								
(a) From United States	Imp.gal.	277,275,809	373,264,992	5,265,549	8,384,902	6,912,620	174,596,300	16,231,414
	⌘	154,024,331	20,734,242	484,255	560,447	224,492	6,852,892	881,139
(b) From Other Countries	Imp.gal.	204,530,373	...	...	...	...	9,588,226	107,111,083
	⌘	8,777,769	...	...	...	...	564,497	4,726,393
Benzol for blending	Imp.gal.	927,206	1,052,158	74,368	935	3,408	2,574	383
	⌘	159,446	147,755	17,258	365	1,418	1,149	67
Sulphuric acid 66° Be	Pound	737,919	17,186,659	36,880	1,065,509	1,137	847,758	...
	⌘	6,803	161,315	1,160	16,359	60	8,349	...
Sulphur	Pound	17,073	30,022	140	147,762	85,063	...	...
	⌘	507	753	5	4,216	2,647	...	...
Caustic soda	Pound	1,264,219	1,004,661	117,975	628,483	707,658	236,016	350,262
	⌘	31,453	26,264	5,872	23,932	26,271	7,373	9,400
Soda ash	Pound	19,062	82,200	1,750	204,700	41,900	12,500	62,319
	⌘	371	1,322	51	4,541	1,106	263	1,261
Litharge	Pound	27,910	59,946	687	242,332	118,541	465	40
	⌘	2,481	4,128	79	19,678	9,834	36	4
Fullers' earth and clay	Pound	4,008,300	11,957,331	50	1,368,390	1,024,075	...	1,329,321
	⌘	53,017	181,926	3	16,084	11,730	...	18,908
Compounding materials	⌘	...	474,418	...	...	...	7,637	...
Tetraethyl fluid	⌘	780,479	961,610	14,210	203,043	425,151	166,447	137,021
Other materials	⌘	55,658	86,756	4,735	44,006	22,907	4,902	15,621
Shipping containers	⌘	37,005	618,373	7,500	19,052	7,264	11,046	32,214
TOTAL	⌘	24,929,320	23,762,266	1,044,062	6,660,841	6,056,105	7,624,591	5,916,372

(⌘ = Cost at works)



Table 15 - PRODUCTS MADE IN PETROLEUM REFINERIES, 1937 and 1938.

Product	Unit of measure	1937		1938	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
<b>MADE FOR SALE -</b>					
Gasoline - Straight run (1) .....	Imp.gal.	361,722,399	33,473,233	362,448,896	32,969,483
- By cracking process .....	Imp.gal.	278,362,079	25,073,645	291,422,445	25,664,662
Stove oil (40° - 42.5° A.P.I.) .....	Imp.gal.	18,014,276	826,880	14,429,501	652,935
Gas and light fuel oil (20° - 40° A.P.I., except diesel) .....	Imp.gal.	100,585,222	4,754,065	86,864,950	4,157,448
Diesel fuel oil (all fuel oil sold under this name) .....	Imp.gal.	41,503,283	1,808,621	50,731,677	2,240,724
Residual fuel oil (10° - 20° A.P.I.) ..	Imp.gal.	329,082,501	11,953,010	330,308,137	11,447,994
Tractor and engine distillate .....	Imp.gal.	30,319,024	2,915,840	35,002,461	2,873,639
V.M. and P. or solvent naphtha .....	Imp.gal.	11,326,568	980,207	7,144,996	583,507
Kerosene .....	Imp.gal.	26,308,522	2,395,293	22,518,046	2,109,211
Lubricating oil .....	Imp.gal.	22,875,067	3,996,812	21,543,098	4,123,954
Lubricating grease .....	Imp.gal.	13,899,436	511,426	13,658,233	669,514
Asphalt .....	Imp.gal.	56,811,878	4,336,778	54,914,869	3,979,788
Petroleum coke .....	short ton	59,634	371,198	63,375	388,753
Other products .....	\$	...	479,038	...	219,896
<b>TOTAL - MADE FOR SALE .....</b>	<b>\$</b>	<b>...</b>	<b>93,876,046</b>	<b>...</b>	<b>92,081,507</b>
<b>MADE FOR OWN USE -</b>					
Gasoline - Straight run .....	Imp.gal.	177,998	17,643	134,753	11,743
- By cracking process .....	Imp.gal.	37,400	3,827	23,031	3,144
Gas and light fuel oil (20° - 40° A.P.I.) .....	Imp.gal.	239,631	11,835	1,653,587	61,525
Residual fuel oil (10° - 20° A.P.I.) ..	Imp.gal.	54,684,126	2,100,864	56,822,008	2,102,252
Kerosene .....	Imp.gal.	41,127	3,275	18,379	1,562
Lubricating oil .....	Imp.gal.	77,735	13,719	74,251	13,701
Tar .....	Pound	1,381,625	55,265	624,708	27,764
Asphalt .....	Imp.gal.	50,305	3,960	65,058	4,879
Petroleum coke .....	short ton	2,381	8,942	634	1,547
Still gas .....	M cu.ft.	6,199,110	1,442,749	6,486,618	1,615,350
Other products .....	\$	...	163,829	...	196,637
<b>TOTAL - MADE FOR OWN USE .....</b>	<b>\$</b>	<b>...</b>	<b>3,825,832</b>	<b>...</b>	<b>4,040,104</b>
<b>GRAND TOTAL .....</b>	<b>\$</b>	<b>...</b>	<b>97,701,954</b>	<b>...</b>	<b>96,121,611</b>
Fuel and gas oils made for use in cracking process .....	Imp.gal.	535,969,764	...	497,513,602	...

(1) 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.

Table 16 - PRODUCTS MADE IN PETROLEUM REFINERIES, BY PROVINCES, 1938.

Product	Unit of measure	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Other Provinces
<b>MADE FOR SALE -</b>								
Gasoline - (a) Straight run .....	Imp. gal.	103,822,917	91,096,553	5,093,029	42,020,909	58,749,778	38,220,463	23,445,247
	\$	19,273,048	7,574,115	861,058	4,482,922	5,347,199	3,738,551	1,692,590
- (b) By cracking process ....	Imp. gal.	123,270,789	113,690,835	...	19,942,144	12,690,098	994,337	20,834,242
	\$	11,940,593	8,947,436	...	2,045,654	1,152,698	93,841	1,484,440
Fuel oil and gas oil .....	Imp. gal.	169,711,287	91,904,469	3,507,290	12,867,752	13,903,347	133,785,015	56,675,105
	\$	6,222,225	3,984,880	285,101	607,460	571,947	4,531,594	2,295,894
Tractor and engine distillate .....	Imp. gal.	1,685,705	2,259,027	2,366,838	15,431,408	13,259,483	...	...
	\$	98,445	152,495	299,986	1,224,895	1,097,818	...	...
V. M. & P. or solvent naphtha .....	Imp. gal.	2,586,197	2,780,010	37,468	423,132	210,541	766,072	341,576
	\$	213,361	205,026	8,542	41,784	18,159	72,298	24,337
Kerosene .....	Imp. gal.	2,706,130	9,832,579	89,647	2,449,590	4,680,999	152,656	2,606,445
	\$	235,701	776,092	15,081	288,758	534,355	18,128	241,096
Lubricating oil .....	Imp. gal.	734,640	20,004,915	100,554	...	1,590	508,841	192,558
	\$	134,072	3,813,560	49,581	...	490	91,591	34,660
Grease .....	Pound	...	11,278,752	2,379,481	...	...	...	...
	\$	...	567,157	102,357	...	...	...	...
Asphalt .....	Imp. gal.	22,480,860	9,647,504	...	4,391,954	2,908,053	3,530,581	11,955,917
	\$	1,566,768	723,563	...	308,366	219,613	264,794	896,694
Petroleum coke .....	Ton	3,530	58,892	...	...	578	...	375
	\$	16,535	368,722	...	...	2,278	...	1,218
Wax and candles .....	Pound	...	4,054,287	...	...	...	...	...
	\$	...	182,443	...	...	...	...	...
Other products .....	\$	...	5,090	...	...	32,362	...	...
TOTAL - MADE FOR SALE .....	\$	29,700,738	27,300,579	1,621,706	8,999,839	8,976,919	8,810,797	6,670,929
<b>MADE FOR OWN USE -</b>								
Gasoline - (a) Straight run .....	Imp. gal.	12,503	85,309	7,000	4,339	6,341	7,651	11,610
	\$	1,032	6,667	1,120	428	547	722	1,227
- (b) By cracking process ....	Imp. gal.	15,269	7,762	...	...	...	...	...
	\$	2,329	815	...	...	...	...	...
Fuel oil and gas oil .....	Imp. gal.	20,838,245	15,399,861	734,098	6,441,506	2,796,282	6,209,299	6,133,304
	\$	754,235	586,071	37,160	256,310	82,952	212,133	237,968
Kerosene .....	Imp. gal.	...	13,333	...	2,739	...	160	2,147
	\$	...	1,029	...	315	...	19	199
Lubricating oil .....	Imp. gal.	...	71,850	...	...	...	2,401	...
	\$	...	13,269	...	...	...	432	...
Tar .....	Imp. gal.	...	624,708	...	...	...	...	...
	\$	...	27,764	...	...	...	...	...
Petroleum coke .....	Ton	...	118	...	514	...	...	2
	\$	...	462	...	1,078	...	...	7
Still gas .....	M cu.ft.	2,834,330	2,439,581	...	471,077	233,848	21,774	486,008
	\$	785,140	553,868	...	131,633	32,499	5,768	106,442
Other products .....	\$	374	188,528	...	5	8,865	216	476
TOTAL - MADE FOR OWN USE .....	\$	1,543,110	1,378,473	38,280	389,769	124,863	219,290	346,319
GRAND TOTAL .....	\$	31,243,848	28,679,052	1,659,986	9,389,608	9,101,782	9,030,087	7,017,248
Fuel and gas oils made for use in cracking process .....	Imp. gal.	177,772,769	192,380,487	...	32,388,947	33,959,310	1,179,150	59,832,939

(\$ = Gross selling value at works)

Table 17 - STOCKS ON HAND AT THE REFINERIES AT THE END OF 1938.

	Stocks on hand at refineries on December 31, 1938	Increase or Decrease over December 31, 1937
	Imp. Gal.	Imp. Gal.
Crude oil and naphtha, in its natural state, from Canadian wells ...	12,249,155	+ 6,654,122
Absorption gasoline, etc., from Canadian wells .....	307,008	- 435,556
Crude oil, imported - in its natural state .....	148,179,941	+21,542,016
- not in its natural state .....	2,124,825	+ 2,066,414
Gasoline (excluding imported casinghead or Canadian absorption gasoline) .....	87,103,588	- 1,844,503
Stove oil (40° - 42.5° A.P.I.) .....	5,462,083	- 1,617,806
Gas and light fuel oil (20° - 40° A.P.I., excepting diesel) .....	29,478,864	+ 5,052,733
Diesel fuel oil .....	5,228,956	+ 1,695,113
Residual fuel oil (10° - 20° A.P.I.) .....	42,581,660	- 7,455,093
Tractor and engine distillate .....	10,485,688	+ 4,115,975
Kerosene .....	12,887,535	+ 3,566,557
Lubricating oils .....	4,495,215	+ 132,899
Petroleum coke .....	4,249	+ 2,162

Table 18 - CASINGHEAD GASOLINE IMPORTED AND USED FOR BLENDING AT THE REFINERIES, 1938.

Imported natural casinghead gasoline received at the refinery during the year -		
Imp. gal. ....	44,986,148	
\$ .....	3,445,915	
Imported natural casinghead gasoline used for blending during the year -		
Imp. gal. ....	47,265,103	
Total stocks of imported natural casinghead gasoline at the end of year -		
Imp. gal. ....	6,828,407	

Table 19 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES IN CANADA, 1918 - 1938.

Year	Crude oil used	Year	Crude oil used
	Imp. gal.		Imp. gal.
1918 .....	261,742,274	1929 .....	1,072,828,496
1919 .....	301,006,553	1930 .....	1,064,434,974
1920 .....	295,576,527	1931 .....	1,074,788,038
1921 .....	373,469,418	1932 .....	930,114,055
1922 .....	394,139,055	1933 .....	1,044,210,850
1923 .....	408,810,739	1934 .....	1,109,510,343
1924 .....	467,144,634	1935 .....	1,196,411,443
1925 .....	445,115,694	1936 .....	1,286,462,895
1926 .....	585,466,329	1937 .....	1,433,581,694
1927 .....	716,369,890	1938 .....	1,418,659,164
1928 .....	849,933,770		



Table 20 - CONSUMPTION OF CRUDE OIL IN PETROLEUM REFINERIES SHOWING CANADIAN AND IMPORTED, SEPARATELY, 1926-1938.

Year	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
1937 .....	90,004,669	1,343,577,025	1,433,581,694
1938 .....	236,492,200	1,182,166,964	1,418,659,164

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

(b) Includes reduced crude.

Table 21 - PRODUCTION OF CRUDE PETROLEUM IN CANADA, 1937 and 1938.

Areas	1937		1938	
	Barrels	Value	Barrels	Value
		\$		\$
<u>NEW BRUNSWICK</u> .....	18,089	25,496	19,276	27,246
<u>ONTARIO</u> -				
Petrolia and Enniskillen .....	57,960	123,531	58,273	120,229
Oil Springs .....	33,853	75,580	32,283	69,728
Moore Township .....	2,253	4,805	1,398	2,882
Sarnia Township .....	445	949	595	1,227
Plympton Township .....	237	505	191	394
Bothwell Township .....	40,425	86,229	40,449	83,399
West Dover .....	10,498	22,388	8,801	18,145
Onondaga .....	728	1,908	878	1,882
Mosa Township .....	8,686	18,524	13,527	27,888
Brooke .....	773	1,649	101	208
Dunwich .....	303	646	195	402
Raleigh and Tilbury East .....	2,471	5,270	207	427
Thamesville .....	683	1,457	1,990	4,103
Dawn and Euphemia .....	5,890	12,559	5,416	11,166
Warwick .....	...	...	8,310	17,132
Chatham .....	...	...	27	56
TOTAL for ONTARIO .....	165,205	356,000	172,641	359,268
<u>ALBERTA</u> -				
Turner Valley .....	2,721,218	4,932,051	6,703,548	8,736,664
Red Coulee .....	13,782	16,008	14,157	12,742
Wainwright-Taber-Moose dome .....	14,085	12,943	33,607	25,688
TOTAL for ALBERTA .....	2,749,085	4,961,002	6,751,312	8,775,094
<u>NORTHWEST TERRITORIES</u> .....	11,371	56,855	22,855	68,565
<u>CANADA</u> .....	2,943,750	5,399,353	6,966,084	9,230,173

Table 22 - REFINERY PRODUCTION OF GASOLINE IN CANADA, 1926 - 1938.

Year	Straight run	By cracking	TOTAL	Per cent of total made by 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	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
1937 .....	361,900,397	278,399,479	640,299,878	43
1938 .....	362,583,649	291,445,476	654,029,125	45

Table 23 - AVERAGE WHOLESALE TANK WAGON PRICES FOR GASOLINE (MEDIUM GRADE), FUEL OIL, ETC., BY MONTHS, 1938.

Month	Halifax	Montreal	Toronto	Winnipeg	Regina	Calgary	Vancouver
	\$	\$	\$	\$	\$	\$	\$
<b>GASOLINE -</b>							
January .....	.160	.150	.160	.205	.200	.170	.160
February .....	.160	.150	.160	.205	.200	.170	.160
March .....	.145	.150	.160	.205	.200	.170	.160
April .....	.145	.150	.160	.205	.200	.170	.160
May .....	.145	.150	.160	.205	.200	.170	.160
June .....	.145	.150	.160	.205	.200	.170	.160
July .....	.145	.150	.160	.205	.190	.165	.160
August .....	.145	.150	.160	.205	.190	.165	.160
September .....	.145	.150	.160	.205	.190	.165	.160
October .....	.135	.140	.150	.205	.190	.165	.160
November .....	.135	.140	.150	.205	.190	.165	.160
December .....	.135	.140	.150	.205	.190	.165	.160
<b>YEARLY AVERAGE .....</b>	<b>.145</b>	<b>.148</b>	<b>.158</b>	<b>.205</b>	<b>.195</b>	<b>.168</b>	<b>.160</b>
Kerosene .....	.183	.170	.168	.207	.214	.187	.230
Fuel oil, light .....	...	...	.084	...	...	...	...
Lubricating oils (Atlantic red oil) .....	...	...	.303	...	...	...	...

Table 24 - APPARENT CONSUMPTION IN CANADA OF GASOLINE, FUEL OIL, ENGINE DISTILLATE, KEROSENE and LUBRICATING OIL, 1936, 1937 and 1938.

	Fuel and gas oils(a)	Gasoline (c)	Lubricating oils	Kerosene	Tractor and engine distillate
	Imp. gal.	Imp. gal.	Imp. gal.	Imp. gal.	Imp. gal.
<u>1936</u>					
Production .....	(b) 498,317,618	567,659,276	20,439,318	28,986,616	33,280,176
Plus imports .....	45,092,500	60,987,262	14,296,949	1,361,691	1,220,037
	543,410,118	628,646,538	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	625,246,758	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	625,246,758	34,823,724	31,138,985	35,344,520
Less increase in refinery stocks .	...	8,569,821	...	...	...
APPARENT CONSUMPTION .....	532,285,589	616,676,937	34,823,724	31,138,985	35,344,520
<u>1937</u>					
Production .....	(b) 544,109,039	640,299,876	23,867,529	26,349,649	30,319,024
Plus imports .....	49,315,477	72,478,101	15,331,130	2,415,350	1,451,292
	593,424,516	712,777,977	39,198,659	28,764,999	31,770,316
Less exports and re-exports .....	11,050,735	4,322,972	...	890,309	...
	582,373,781	708,455,005	39,198,659	27,874,690	31,770,316
Plus decline in refinery stocks ..	...	820,659	426,473	...	...
	582,373,781	709,275,664	39,625,132	27,874,690	31,770,316
Less increase in refinery stocks .	18,566,691	...	...	1,191,994	580,997
APPARENT CONSUMPTION .....	563,807,090	709,275,664	39,625,132	26,682,696	31,189,319
<u>1938</u>					
Production .....	(b) 540,907,971	654,029,125	22,709,001	22,536,425	35,002,461
Plus imports .....	51,273,799	119,038,120	16,173,426	4,723,576	1,142,847
	592,181,770	773,067,245	38,882,427	27,260,001	36,145,308
Less exports and re-exports .....	1,847,017	4,984,879	...	767,763	...
	590,334,753	768,082,366	38,882,427	26,492,238	36,145,308
Plus decline in refinery stocks ..	2,325,053	1,844,503	...	...	...
	592,659,806	769,926,869	38,882,427	26,492,238	36,145,308
Less increase in refinery stocks .	...	...	132,899	3,566,557	4,115,975
APPARENT CONSUMPTION .....	592,659,806	769,926,869	38,749,528	22,925,681	32,029,333

(a) Import figures for fuel oil include amounts brought in "ex-warehoused for ships' stores". This item covers fuel oil imported in bond for use in fueling vessels at Canadian ports and, as there is no corresponding export item, such quantities might properly be omitted when compiling figures of Canadian consumption. In 1936, the amount under this item was 24,048,703 gallons, in 1937, 24,369,010 gallons and in 1938, 31,198,446 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 27); engine and tractor distillate is also taxable in this province.



Table 25 - APPARENT CONSUMPTION OF FUEL OIL, GASOLINE, KEROSENE, ENGINE DISTILLATE, and LUBRICATING OILS, 1920 - 1938.

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

Year	Fuel and gas oils	Gasoline	Engine distillate (Imperial gallons)	Kerosene	Lubricating oils
1920	216,707,656	94,334,133		67,883,829	29,584,092
1921	185,729,965	159,379,748		68,160,649	29,288,776
1922	172,744,361	184,068,277		78,722,847	26,161,854
1923	246,280,451	172,889,742		70,073,769	25,318,579
1924	253,104,267	232,324,241	Not	65,214,433	23,976,888
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	31,484,944
1928	435,327,021	483,798,833	Available	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	34,594,696
1931	488,371,080	565,266,046		46,543,627	29,270,337
1932	460,366,156	505,231,853		54,534,585	26,128,988
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	31,168,782	32,800,623
1936	532,285,589	616,676,937	35,344,520	31,138,985	34,823,724
1937	563,807,090	709,275,664	31,189,319	26,682,696	39,625,132
1938	592,659,806	769,926,869	32,029,333	22,925,681	38,749,528

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

Table 26 - GROSS SALES OF GASOLINE IN CANADA, BY PROVINCES, 1934 - 1938.

(Gross sales - Imperial gallons sold for all purposes)

(Net sales - Imperial gallons on which no tax refunds were granted)

Province	1934	1935	1936	1937	1938
Prince Edward Island	2,639,856	2,832,750	3,088,910	3,420,183	3,629,045
Nova Scotia	20,016,109	22,274,254	25,247,957	29,159,361	29,487,076
New Brunswick	13,640,325	15,185,003	17,477,029	21,947,202	21,998,728
Quebec	93,511,483	102,177,506	109,835,482	128,394,645	135,026,866
Ontario	252,976,407	272,680,687	282,827,724	324,858,959	337,880,996
Manitoba	27,678,221	28,448,689	30,561,665	34,635,432	38,596,582
Saskatchewan	36,784,519	39,166,282	45,966,233	46,278,251	65,090,674
Alberta (x)	45,194,297	47,442,690	60,387,814	75,166,087	73,724,520
British Columbia	42,337,785	43,410,411	48,723,037	54,567,327	57,157,813
TOTAL GROSS SALES	534,779,002	573,618,272	624,115,851	718,427,427	762,592,300
REFUNDS	57,868,513	73,214,746	91,260,543	115,022,668	130,722,877
TOTAL NET SALES	476,910,489	500,403,526	532,855,308	603,404,759	631,869,423

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

Table 27 - GROSS SALES OF GASOLINE IN CANADA, BY MONTHS, 1934 - 1938.

(Gross sales - Imperial gallons sold for all purposes)

Month	1934	1935	1936	1937	1938
January	24,299,551	26,412,185	27,728,100	33,788,537	35,407,164
February	22,197,254	24,057,084	23,879,349	30,779,948	33,146,647
March	26,157,726	28,183,675	28,416,716	38,871,176	41,373,278
April	35,442,889	39,048,308	41,668,840	50,976,732	54,395,708
May	46,309,399	50,769,767	57,754,193	68,420,444	74,479,444
June	53,587,109	59,172,138	65,611,294	73,724,575	77,769,361
July	61,877,965	67,158,002	70,395,637	80,023,053	80,647,112
August	63,314,862	64,425,724	75,456,062	84,022,269	90,562,443
September	63,568,981	70,584,557	74,486,008	79,135,342	85,726,667
October	56,460,241	59,636,448	64,363,792	71,172,611	77,022,663
November	46,855,265	47,013,876	51,365,992	61,183,652	63,545,051
December	34,707,760	37,156,508	42,789,870	46,329,088	48,516,762
TOTAL	534,779,002	573,618,272	624,115,851	718,427,427	762,592,300

Table 28 - GROSS MONTHLY SALES OF GASOLINE IN CANADA, BY MONTHS, 1938, and TOTALS FOR 1937.  
(in thousands of gallons)

Month	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	(x) Alberta	British Columbia	TOTAL
January .....	56	1,367	857	5,650	17,507	1,542	1,022	3,926	3,481	36,407
February ....	49	1,204	794	5,462	17,451	1,287	669	2,918	3,313	33,147
March .....	46	1,501	1,030	6,275	21,447	1,697	875	4,618	3,884	41,373
April .....	114	1,663	1,068	8,916	26,143	2,686	4,006	5,217	4,383	54,396
May .....	396	2,808	1,967	12,728	30,891	3,379	9,170	8,103	5,037	74,479
June .....	481	3,099	2,461	14,147	32,711	3,923	8,248	7,320	5,379	77,769
July .....	494	3,264	2,720	15,269	35,755	4,129	7,174	6,018	5,824	80,647
August .....	569	3,703	3,095	16,772	38,424	4,901	8,449	8,341	6,308	90,562
September ...	495	3,171	2,711	14,735	33,993	5,059	10,872	9,120	5,671	85,727
October .....	429	2,873	2,291	13,847	31,804	4,191	8,133	8,589	4,866	77,023
November .....	341	2,579	1,817	12,391	28,072	3,336	4,616	5,571	4,822	63,545
December .....	160	2,054	1,187	8,835	23,683	2,467	1,856	3,984	4,290	46,516
TOTALS FOR 1938 .....	3,629	29,486	21,998	135,027	337,881	38,597	65,090	73,725	57,158	762,591
TOTALS FOR 1937 .....	3,420	29,159	21,947	128,395	324,859	34,636	46,278	75,166	54,567	718,427

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

Table 29 - NET SALES OF GASOLINE IN CANADA, BY PROVINCES, 1934 - 1938.  
(Net Sales - Gallons sold on which no refunds have been granted, chiefly for motor vehicles).

Province	1934	1935	1936	1937	1938
	(Imperial gallons)				
Prince Edward Island .....	2,201,905	2,104,901	2,454,445	2,814,779	2,888,889
Nova Scotia .....	17,190,498	19,526,958	22,322,829	23,968,732	25,429,611
New Brunswick .....	11,741,220	13,053,657	15,042,044	19,119,043	18,905,156
Quebec .....	88,223,973	94,251,686	103,662,080	121,732,952	128,768,743
Ontario .....	239,500,357	255,632,086	260,721,064	301,997,891	310,461,674
Manitoba .....	25,983,163	26,497,237	28,578,031	32,665,796	36,388,003
Saskatchewan .....	27,015,504	25,210,670	29,308,886	24,753,482	27,347,080
Alberta .....	32,525,148	30,261,287	32,861,958	33,762,330	37,179,884
British Columbia .....	32,528,721	33,865,044	37,873,971	42,589,765	44,500,584
CANADA .....	476,910,489	500,403,526	532,855,308	603,404,769	631,869,423

Table 30 - REVENUES FROM GASOLINE TAXES, BY PROVINCES, 1935 - 1938.

Province	1935	1936	1937	1938(x)
Prince Edward Island .....	178,687	200,854	269,232	285,163
Nova Scotia .....	1,422,542	1,760,209	2,006,489	2,424,355
New Brunswick .....	1,006,421	1,149,129	1,439,096	1,807,493
Quebec .....	5,666,442	6,272,064	7,078,230	7,637,151
Ontario .....	15,021,994	16,049,857	17,644,164	18,503,789
Manitoba .....	1,795,900	2,051,200	2,270,660	2,529,088
Saskatchewan .....	1,862,300	1,951,834	1,937,553	1,822,689
Alberta .....	2,048,272	2,380,088	2,610,211	2,953,128
British Columbia .....	2,530,087	2,717,201	3,118,312	3,284,490
CANADA .....	31,532,645	34,532,436	38,373,947	41,247,346

(x) 1938 data are subject to revision.

Table 31 - REVENUES FROM MOTOR VEHICLE REGISTRATIONS and GASOLINE TAXES, 1925 - 1938.

Year	From motor vehicle	From gasoline	Year	From motor vehicle	From gasoline
	registrations	taxes		registrations	taxes
1925 .....	13,440,202	4,068,157	1932 .....	21,126,271	27,085,316
1926 .....	15,434,494	6,360,690	1933 .....	20,576,392	26,467,765
1927 .....	16,572,361	7,963,345	1934 .....	21,567,850	29,054,853
1928 .....	19,004,276	12,547,073	1935 .....	23,090,978	31,552,646
1929 .....	22,514,030	18,760,543	1936 .....	25,632,843	34,532,436
1930 .....	20,166,283	22,655,225	1937 .....	25,993,905	38,373,947
1931 .....	19,684,908	22,546,119	1938 .....	26,227,699	41,247,346

Table 32 - DATES WHEN GASOLINE ACTS BECAME EFFECTIVE and RATES OF TAX

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

(L) Effective January 1, 1933.



Table 33 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, 1904 - 1938.

Year	TOTAL	Year	Passenger cars	Commercial vehicles	Motor cycles	TOTAL
1904 .....	535	1922 .....	...	...	...	509,382
1905 .....	565	1923 .....	513,075	54,664	8,346	575,985
1906 .....	1,447	1924 .....	573,204	64,003	8,056	645,263
1907 .....	2,148	1925 .....	641,186	74,938	7,924	724,048
1908 .....	3,054	1926 .....	736,729	88,019	7,520	832,268
1909 .....	4,809	1927 .....	830,001	102,088	7,562	939,651
1910 .....	9,158	1928 .....	930,619	130,827	7,897	1,069,343
1911 .....	21,783	1929 .....	1,022,654	155,820	8,857	1,187,331
1912 .....	36,429	1930 .....	1,055,514	167,548	9,427	1,232,489
1913 .....	54,380	1931 .....	1,023,923	167,097	9,648	1,200,668
1914 .....	74,246	1932 .....	945,073	159,041	9,419	1,113,533
1915 .....	95,284	1933 .....	917,008	156,170	10,000	1,083,178
1916 .....	128,328	1934 .....	952,427	166,799	10,306	1,129,532
1917 .....	203,502	1935 .....	989,754	175,888	10,484	1,176,126
1918 .....	276,893	1936 .....	1,041,529	187,770	10,825	1,240,124
1919 .....	342,433	1937 .....	1,103,012	205,588	11,102	1,319,702
1920 .....	408,790	(x)1938 .....	1,159,604	223,176	12,073	1,394,853
1921 .....	464,805					

(x) 1938 data are subject to revision.

NOTE - Livery and taxi-cabs included with passenger cars.

Buses, convertible cars, road tractors, ambulances, etc., included with commercial vehicles.

Table 34 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, BY PROVINCES, 1934 - 1938.

Province	1934	1935	1936	1937	1938
	Number	Number	Number	Number	Number
Prince Edward Island .....	7,206	8,231	7,632	8,011	7,992
Nova Scotia .....	41,932	43,952	46,179	50,048	51,214
New Brunswick .....	29,094	31,227	33,402	36,780	37,110
Quebec .....	165,526	170,644	181,628	197,917	205,463
Ontario .....	542,245	564,076	590,226	623,918	669,088
Manitoba .....	70,430	70,660	74,940	80,860	88,219
Saskatchewan .....	91,461	94,792	102,270	105,064	109,014
Alberta .....	89,369	93,870	97,468	100,434	107,191
British Columbia .....	92,021	98,411	106,079	116,341	119,220
Yukon .....	248	263	300	329	342
CANADA .....	1,129,532	1,176,126	1,240,124	1,319,702	1,394,853

Table 35 - REGISTRATIONS OF MOTOR VEHICLES IN CANADA, BY TYPES, 1938.

Province	Passenger cars	Motor trucks	Motor buses	Motor cycles	Ambulances, hearses, etc.	TOTAL
	Number	Number	Number	Number	Number	Number
Prince Edward Island .....	6,840	1,125	5	22	(2)	7,992
Nova Scotia .....	40,876	9,309	88	272	669	51,214
New Brunswick .....	30,257	6,184	100	196	373	37,110
Quebec .....	166,447	35,641	708	2,667	(2)	205,463
Ontario .....	580,364	82,634	884	5,206	(2)	669,088
Manitoba .....	71,460	16,055	(1)	714	(1) and (2)	88,219
Saskatchewan .....	83,635	24,791	74	510	(4) 4	109,014
Alberta .....	85,244	21,221	121	605	(1), (2), (3)	107,191
British Columbia .....	94,346	23,005	(2)	1,869	(2)	119,220
Yukon .....	145	144	5	12	36	342
CANADA .....	1,159,604	220,109	1,965	12,073	1,082	1,394,853

(1) Included with passenger cars.

(2) Included with trucks.

(3) Not registered.

(4) Tractors.

Table 36 - TRACTORS, AUTOMOBILES and GASOLINE ENGINES ON CANADIAN FARMS, 1931, and on FARMS IN THE PRAIRIE PROVINCES, 1936.

Province	Tractors	Motor trucks	Automobiles	Gasoline engines
	Number	Number	Number	Number
<u>1931</u>				
Prince Edward Island .....	176	369	3,886	4,193
Nova Scotia .....	424	1,704	10,297	2,848
New Brunswick .....	289	1,126	10,425	4,505
Quebec .....	2,417	5,152	28,877	38,251
Ontario .....	18,993	14,586	125,716	45,380
Manitoba .....	14,366	3,260	25,588	17,557
Saskatchewan .....	43,308	10,938	65,094	38,549
Alberta .....	23,985	7,319	42,817	26,938
British Columbia .....	1,402	3,947	10,585	3,544
CANADA .....	105,360	48,401	321,284	179,765
<u>1936</u>				
Manitoba .....	14,685	3,299	22,980	16,915
Saskatchewan .....	42,051	10,338	54,469	39,193
Alberta .....	24,913	7,657	39,222	30,029

NOTE - 1931 figures from the last decennial Census of Canada; 1936 figures from the last quinquennial Census of the Prairie Provinces.

Table 37 - PETROLEUM FUELS MARKETED IN CANADA, BY PROVINCES, 1933 - 1937.

(Calendar years - Million Imperial gallons)

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

Province	Fuel oil(x)	Kerosene	Gasoline motor fuel	TOTAL(x)	Per cent
<u>1937</u>					
New Brunswick and Prince Edward Island ..	10	2	25	37	3
Nova Scotia .....	32	3	29	64	5
Quebec .....	140	5	129	274	21
Ontario .....	114	7	325	446	35
Manitoba .....	21	4	35	60	5
Saskatchewan .....	22	5	46	73	6
Alberta and Northwest Territories .....	14	3	75	92	7
British Columbia and Yukon .....	180	1	55	236	18
TOTAL .....	533	30	719	1,282	...
Per cent .....	42	2	56	...	100
TOTAL - 1936 .....	499	34	624	1,157	...
Per cent .....	43	3	54	...	100
TOTAL - 1935 .....	447	35	574	1,056	...
Per cent .....	42	3	55	...	100
TOTAL - 1934 .....	425	36	535	996	...
Per cent .....	42	4	54	...	100
TOTAL - 1933 .....	368	42	484	894	...
Per cent .....	42	4	54	...	100

(x) Data exclude fuel oil consumed in oil refineries.

Table 38 - COMPARATIVE SUMMARY OF FUEL OIL DELIVERIES, BY PROVINCES, 1933 - 1937.

(Prepared from distributors' and importers' reports - 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	Product of Canadian refineries	Product of foreign refineries (importations)	Total fuel oil delivered (x)	Respective percentages of total			(a) Inventory December 31
				%	%	%	
<b>1937</b>							
N.B. and P.E.I. ....	10,460,632	Nil	10,460,632	2.0	Nil	2.0	3,154,972
Nova Scotia .....	32,187,414	Nil	32,187,414	6.0	Nil	6.0	9,694,749
Quebec .....	134,140,731	5,444,738	139,585,469	25.2	1.0	26.2	62,342,313
Ontario .....	112,683,414	1,294,680	113,978,034	21.2	0.2	21.4	57,629,907
Manitoba .....	20,591,333	244,325	20,835,658	3.9	...	3.9	2,290,627
Saskatchewan .....	21,715,794	57,107	21,772,901	4.1	...	4.1	10,051,399
Alberta (and N.W.T.) .....	13,408,290	599,483	14,007,773	2.5	0.2	2.7	3,287,220
B.C. (and Yukon) .....	140,323,032	39,409,647	179,732,679	26.3	7.4	33.7	28,334,156
TOTAL .....	485,510,640	47,049,980	532,560,620	91.2	8.8	100.0	176,785,343
TOTAL - 1936 .....	447,562,613	51,654,169	499,216,782	89.6	10.4	100.0	152,734,140 (xx)
TOTAL - 1935 .....	381,054,569	65,972,158	447,026,727	85.2	14.8	100.0	156,210,763
TOTAL - 1934 .....	367,443,454	57,437,192	424,880,646	86.5	13.5	100.0	150,149,280
TOTAL - 1933 .....	301,231,406	67,395,737	368,627,143	81.7	18.3	100.0	111,547,323

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

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

(x) Data exclude gallonages which were produced and used in Canadian refineries for fuel.

(xx) Revised.

Table 39 - FUEL OIL DELIVERIES: SPECIFIC USES, BY PROVINCES, 1933 - 1937.

(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 (manufacturers' heating and for power)	TRACTOR fuel oil, not lubricant	RAILWAYS, principally locomotive fuel	BUNKERING, includes distributors' tankers	TOTAL DELIVERIES Imperial gallons	Per cent of yearly total
	Number domestic consumers	Quantity						
<b>1937</b>								
N.B. and P.E.I. .	1,814	3,141,515	3,233,715	25,690	111,911	3,947,801	10,460,632	2.0
Nova Scotia .....	4,404	5,934,349	7,046,635	4,047	37,383	19,165,000	32,187,414	6.0
Quebec .....	10,471	39,095,611	34,338,745	972,205	1,820,228	63,358,680	139,585,469	26.2
Ontario .....	23,479	39,650,575	57,032,657	6,675,543	3,139,150	7,480,169	113,978,094	21.4
Manitoba .....	913	2,079,592	2,149,490	15,409,009	1,178,912	18,655	20,835,658	3.9
Saskatchewan .....	230	1,009,752	10,657,495	9,952,581	153,073	...	21,772,901	4.1
Alberta and N.W.T. .	25	357,237	2,640,892	5,410,750	5,503,624	95,270	14,007,773	2.7
British Columbia and Yukon .....	8,983	26,454,452	45,346,719	145,763	40,690,396	67,095,349	179,732,679	33.7
TOTAL - 1937 ..	50,319	117,723,083	162,446,348	38,595,588	52,634,677	161,160,924	532,560,620	100.0
TOTAL - 1936 ..	48,846	111,909,055	138,171,436	30,069,376	51,946,801	167,120,114	499,216,782	100.0
TOTAL - 1935 ..	45,444	109,152,778	119,595,016	34,292,063	46,901,493	137,086,377	447,026,727	100.0
TOTAL - 1934 ..	55,290	109,743,672	95,099,427	22,395,115	50,737,948	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	100.0

Fuel oil includes all oils heavier than 42° A.P.I. processed from petroleum. Amounts recorded respectively for domestic, industrial, and tractor purposes were for actual CONSUMPTION within the areas indicated; those recorded under railways and bunkering were taken from, or accepted at delivery points within these areas, but were consumed by carriers where required.



Table 40 - COMPARATIVE SUMMARY OF KEROSENE DELIVERIES, BY PROVINCES, 1933 - 1937.

(Prepared from distributors' and importers' reports - 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	Product of Canadian refineries	Product of foreign refineries (importations)	Total kerosene delivered	Respective percentages of total			Inventory December 31
				%	%	%	
1937							
N.B. and P.E.I. ....	1,802,757	42,533	1,845,290	6.0	0.2	6.2	480,694
Nova Scotia .....	2,648,953	93	2,649,046	8.8	...	8.8	3,052,272
Quebec .....	5,138,103	189,225	5,327,328	17.2	0.6	17.8	3,234,369
Ontario .....	6,181,234	538,255	6,719,489	20.7	1.8	22.5	5,431,759
Manitoba .....	3,312,723	120,849	3,442,572	11.1	0.4	11.5	824,192
Saskatchewan .....	5,273,918	66,522	5,340,440	17.7	0.2	17.9	2,956,156
Alberta .....	3,143,813	91,995	3,235,808	10.5	0.3	10.8	2,036,137
British Columbia .....	725,164	610,637	1,335,801	2.4	2.1	4.5	604,205
TOTAL - 1937 .....	28,226,665	1,669,109	29,895,774	94.4	5.6	100.0	18,619,784
TOTAL - 1936 .....	32,390,893	1,637,302	34,028,195	95.2	4.8	100.0	19,208,439(xx)
TOTAL - 1935 .....	33,816,722	1,500,904	35,317,626	95.8	4.2	100.0	21,431,620
TOTAL - 1934 .....	33,712,200	2,464,183	36,176,383	93.2	6.8	100.0	21,638,320
TOTAL - 1933 .....	40,708,555	1,040,353	41,748,908	97.5	2.5	100.0	19,774,223

(xx) Revised.

Table 41 - KEROSENE DELIVERIES: SPECIFIC USES, BY PROVINCES, 1934 - 1937.

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

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

Province	For domestic heating, cooking and lighting purposes	For fuel in tractors	For other general usage	Total Deliveries	Per cent of total	Used by Railways (x)	Inventory December 31
1937							
N.B. and P.E.I. ....	1,844,885	...	405	1,845,290	6.2)	149,715	480,694
Nova Scotia .....	2,646,820	...	2,226	2,649,046	8.8)	...	3,052,272
Quebec .....	5,135,113	...	192,215	5,327,328	17.8	60,857	3,234,369
Ontario .....	5,408,504	900,533	410,452	6,719,489	22.5	123,543	5,431,759
Manitoba .....	1,473,541	1,945,832	23,199	3,442,572	11.5	117,555	824,192
Saskatchewan .....	3,041,149	2,286,449	12,842	5,340,440	17.9	150,969	2,956,156
Alberta .....	1,972,447	1,198,153	65,208	3,235,808	10.8	118,311	2,036,137
British Columbia .....	809,367	12,373	514,061	1,335,801	4.5	75,390	604,205
TOTAL - 1937 .....	22,331,826	6,343,340	1,220,608	29,895,774	...	736,340	18,619,784
Per cent .....	74.7	21.2	4.1	...	100.0	(2.7)	...
TOTAL - 1936 .....	22,686,428	10,099,611	1,242,156	34,028,195	...	854,131	19,208,439
Per cent .....	66.7	29.7	3.6	...	100.0	(2.5)	...
TOTAL - 1935 .....	22,964,849	9,383,094	2,969,683	35,317,626	...	767,460	21,431,620
Per cent .....	65.0	26.6	8.4	...	100.0	(2.2)	...
TOTAL - 1934 .....	23,891,483	8,864,482	3,420,418	36,176,383	...	796,956	21,638,320
Per cent .....	66.0	24.5	9.5	...	100.0	(2.2)	...

(x) Coal oil and long-time burning oil used principally by the railways for signals, lanterns, lamps, and other small lighting; the amounts shown are included in first column.

(xx) Revised.

Table 42 - SALES OF PETROLEUM COKE, CALENDAR YEARS, 1933 - 1937. (Short tons)

(As fuel only, not as material)

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

Area	Fuel for Domestic heating(x)	Fuel for Industrial heating(a)	TOTAL SHORT TONS	Inventory December 31(x)
<u>1 9 3 7</u>				
Maritimes .....	402	13	415	Nil
Quebec .....	131	1,265	1,396	39,780
Ontario .....	40,232	632	40,864	68,237
Western provinces .....	1,373	4,139	5,512	1,078
Canadian .....	40,563	6,049	46,612	7,414
Imported .....	1,575	...	1,575	101,681
TOTAL - 1937 .....	42,138	6,049	48,187	109,095
<u>1 9 3 6</u>				
Maritimes .....	404	6	410	(xx) 38
Quebec .....	258	1,708	1,966	28,914
Ontario .....	36,030	593	36,623	51,801
Western provinces .....	1,681	5,016	6,697	1,298
Canadian .....	36,687	7,263	43,950	20,781
Imported .....	1,686	60	1,746	61,270
TOTAL - 1936 .....	38,373	7,323	45,696	82,051
TOTAL - 1935 .....	63,413	16,476	79,889	85,144(xx)
TOTAL - 1934 .....	39,200	17,555	56,755	48,169
TOTAL - 1933 .....	54,632	27,571	82,203	33,876

(x) As reported by coal dealers, distributors, and importers; inventory also includes stocks at refineries.

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

(xx) Revised.

(b) LUBRICATING OILS AND GREASES

In 1938 reports were received from 12 factories engaged chiefly in compounding lubricating oils and greases. Eight of these plants were located in Ontario, 3 in Quebec and 1 in British Columbia.

Capital employed in 1938 was given at \$523,870, the average number of employees was 89, payments for salaries and wages totalled \$122,294, cost of processing supplies and containers for the finished product was \$425,959 and the factory selling value of all products made was \$881,736. Included in this year's output were lubricating oils worth \$679,188, lubricating greases worth \$93,021 and soaps or soap powders at \$30,748.

Including production from refineries, the total Canadian output of lubricating oils in 1938 was 22,709,001 gallons against 23,867,529 gallons in 1937. The total production of lubricating greases was 14,271,613 pounds, the comparative figure for 1937 being 14,801,687 pounds.

Table 43 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, 1921 - 1938.

Year	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
1921 .....	6	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
1937 .....	13	520,687	90	120,260	5,127	407,908	752,060
1938 .....	12	523,870	89	122,294	4,284	425,959	881,736

Table 44 - PRINCIPAL STATISTICS OF THE LUBRICATING OILS AND GREASES INDUSTRY, BY PROVINCES, 1937 and 1938.

Province	No. of plants	Capital employed	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
<u>1937</u>							
Ontario .....	9	412,164	64	87,763	2,176	336,307	632,259
Quebec .....	3)	108,523	26	32,497	2,951	71,601	119,801
British Columbia	1)						
CANADA .....	13	520,687	90	120,260	5,127	407,908	752,060
<u>1938</u>							
Ontario .....	8	418,816	65	86,490	1,764	374,053	763,660
Quebec .....	3)	105,054	24	35,804	2,520	51,906	118,076
British Columbia	1)						
CANADA .....	12	523,870	89	122,294	4,284	425,959	881,736

Table 45 - CAPITAL EMPLOYED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1937 and 1938.

Province	Value of lands, buildings, machinery and equipment	Inventory value of materials and finished products on hand and stocks in process	Operating capital (cash, bills receivable, etc.)	TOTAL CAPITAL EMPLOYED
<u>1937</u>				
Ontario .....	161,346	105,532	145,286	412,164
Other provinces .....	68,802	11,816	27,905	108,523
CANADA .....	230,148	117,348	173,191	520,687
<u>1938</u>				
Ontario .....	157,774	105,881	155,161	418,816
Other provinces .....	70,336	9,059	26,659	105,054
CANADA .....	228,110	114,940	180,820	523,870



Table 46 - EMPLOYEES, SALARIES and WAGES IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1937 and 1938.

Province	Average number of employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On salaries		On wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
<u>1937</u>								
Ontario .....	35	6	22	1	64	68,626	19,137	87,763
Other provinces ....	12	3	11	...	26	22,416	10,081	32,497
CANADA .....	47	9	33	1	90	91,042	29,218	120,260
<u>1938</u>								
Ontario .....	31	8	25	1	65	63,816	22,674	86,490
Other provinces ....	10	2	12	...	24	25,160	10,644	35,804
CANADA .....	41	10	37	1	89	88,976	33,318	122,294

Table 47 - NUMBER OF WAGE-EARNERS IN THE LUBRICATING OILS AND GREASES INDUSTRY, BY MONTHS, 1937 and 1938.

Month	Ontario		Other Provinces		C A N A D A	
	1937	1938	1937	1938	1937	1938
January .....	21	30	11	8	32	38
February .....	22	29	12	8	34	37
March .....	22	26	11	10	33	36
April .....	22	29	9	12	31	41
May .....	24	25	11	20	35	45
June .....	23	26	10	14	33	40
July .....	24	26	12	14	36	40
August .....	22	25	12	12	34	37
September .....	23	28	14	13	37	41
October .....	23	25	13	13	36	38
November .....	23	26	12	13	35	39
December .....	22	26	11	12	33	38
AVERAGE .....	23	26	11	12	34	38

Table 48 - FUEL AND ELECTRICITY USED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1937 and 1938.

Kind	Unit of measure	1937		1938	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Coal, anthracite .....	short ton	190	1,409	29	339
Coal, bituminous - Canadian .....	short ton	12	156	...	...
Imported .....	short ton	73	846	189	1,262
Coke .....	short ton	...	...	1	10
Gasoline .....	Imp. gal.	1,000	250	...	...
Wood .....	cord	62	528	59	512
Manufactured gas .....	M cu.ft.	228	251	190	226
Electricity purchased .....	K. W. H.	75,328	1,687	100,480	1,935
TOTAL .....	\$	...	5,127	...	4,284

Table 49 - POWER EQUIPMENT IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1937 and 1938.

	1937		1938	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines .....	2	8	2	8
Total Primary (all in use) .....	2	8	2	8
Electric motors run by purchased power .....	22	96	25	133
TOTAL .....	24	103	27	141
Boilers .....	1	8	1	8

Table 50 - MATERIALS USED IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1937 and 1938.

Material		1937		1938	
		Quantity	Cost at works	Quantity	Cost at works
Compounding stocks (mineral oils, animal oils, etc.) .....	Imp. gal.	960,960	277,669	1,187,619	249,411
Tallow and grease .....	pound	268,632	23,666	231,506	16,886
All other materials .....	\$	...	30,084	...	58,728
Shipping containers .....	\$	...	76,490	...	100,934
TOTAL .....	\$	...	407,908	...	425,959

Table 51 - PRODUCTS MADE IN THE LUBRICATING OILS AND GREASES INDUSTRY, 1937 and 1938.

Product	Unit of measure	1937		1938	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
Greases, lubricating .....	pound	902,251	131,766	602,876	93,021
Oils, lubricating .....	gal.	914,727	568,651	1,091,652	679,188
Soaps and soap powders .....	pound	...	37,505	...	30,748
All other products .....	\$	...	14,138	...	78,779
TOTAL .....	\$	...	752,060	...	881,736

Table 52 - FREIGHT MOVEMENT IN PETROLEUM PRODUCTS - REVENUE FREIGHT CARRIED BY CANADIAN RAILWAYS, 1938.

Commodities	FREIGHT ORIGINATED				FREIGHT TERMINATED			
	Loaded	Received from			Unloaded			
	at sta-	foreign connections:		TOTAL	at sta-	Delivered	EXPORT	IMPORT
	tions	Destined to	within the:		tions	to foreign	Column	Column
		Canadian	Foreign			via Rail		
	province	points	points		within the:	connections:	Column	Column
	1	2	3	4	5	6	7	8
							1-5	5-1
<u>Prince Edward Island -</u>								
Crude petroleum .....	...	...	...	...	...	...	...	...
Asphalt .....	109	...	...	109	4,891	...	...	4,782
Gasoline .....	381	...	...	381	9,208	...	...	8,827
Other petroleum products	222	...	...	222	3,934	...	...	3,712
<u>Nova Scotia -</u>								
Crude petroleum .....	...	...	...	...	...	...	...	...
Asphalt .....	60,520	...	...	60,520	17,168	21	43,352	...
Gasoline .....	89,589	104	...	89,693	70,320	26	19,269	...
Other petroleum products	33,397	176	...	33,572	29,007	284	4,390	...
<u>New Brunswick -</u>								
Crude petroleum .....	34	...	...	34	...	...	34	...
Asphalt .....	1,063	...	...	1,063	43,276	...	...	42,212
Gasoline .....	43,241	81	8,071	51,393	57,686	4,230	...	14,344
Other petroleum products	8,629	717	1,344	10,690	19,563	796	...	10,934
<u>Quebec -</u>								
Crude petroleum .....	53	569	...	622	86	93	...	33
Asphalt .....	79,526	917	1,029	81,472	36,607	798	43,019	...
Gasoline .....	278,283	8,571	18,923	305,777	268,733	4,226	9,550	...
Other petroleum products	130,294	26,078	11,360	167,732	158,906	3,889	...	28,612
<u>Ontario -</u>								
Crude petroleum .....	14,561	8,993	5,470	28,024	16,156	6,774	...	1,596
Asphalt .....	57,902	9,691	13,700	81,293	99,238	13,112	...	41,336
Gasoline .....	532,201	40,753	28,852	601,806	530,921	32,962	1,280	...
Other petroleum products	249,966	65,580	69,733	385,279	267,115	72,011	...	17,149
<u>Manitoba -</u>								
Crude petroleum .....	1,044	15,273	...	16,317	54,173	...	...	53,129
Asphalt .....	510	619	...	1,129	20,268	...	...	19,758
Gasoline .....	2,430	10,539	...	12,969	149,103	...	...	146,673
Other petroleum products	13,246	13,819	...	27,065	88,745	...	...	75,499
<u>Saskatchewan -</u>								
Crude petroleum .....	293	6,199	...	6,492	441,669	...	...	441,266
Asphalt .....	21,405	976	...	22,381	3,448	...	17,957	...
Gasoline .....	164,374	3,133	...	167,507	154,038	...	10,356	...
Other petroleum products	75,180	4,153	286	79,619	59,172	...	16,008	...
<u>Alberta -</u>								
Crude petroleum .....	441,662	29,543	...	471,205	5,838	...	435,824	...
Asphalt .....	12,229	...	...	12,229	14,713	...	...	2,484
Gasoline .....	189,038	22,041	...	211,079	144,192	...	44,846	...
Other petroleum products	36,940	1,468	...	38,408	43,118	...	...	6,178
<u>British Columbia -</u>								
Crude petroleum .....	455	...	...	455	30	...	426	...
Asphalt .....	14,246	759	88	15,093	16,972	88	...	2,726
Gasoline .....	56,889	623	942	58,454	60,303	1,056	...	3,414
Other petroleum products	37,205	3,329	217	40,751	40,427	609	...	3,222

NOTE - ASPHALT includes NATURAL and BY-PRODUCT PETROLEUM.



Table 53 - IMPORTS INTO CANADA and EXPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1937 and 1938.

Tariff Item Number	Item	Unit of measure	1 9 3 7		1 9 3 8	
			Quantity	Value	Quantity	Value
(a) <u>IMPORTS</u>						
7151-	Oil, imported by miners or mining companies or concerns, for use in the concentration of ores of metals in their own concentrating establishments .....	Imp.gal.	66,545	24,116	69,593	33,485
7153-	Crude petroleum not subjected to any other process than natural weathering and removal of foreign matter and water when imported by oil refiners to be refined in their own factories, .8155 specific gravity (42.0° A.P.I.) or heavier at 60° Fahrenheit .....	Imp.gal.	1,354,072	46,286,372	1,226,340	40,971,668
7157-	Crude petroleum not subjected to any other process than natural weathering and removal of foreign matter or water, when imported by oil refiners to be refined in their own factory, lighter than .8155 specific gravity (42.0° A.P.I.) at 60° Fahrenheit .....	Imp. gal.	7,276,223	363,266	1,750,735	78,558
7154-	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 .....	Imp. gal.	270	36	...	...
7158-	Crude petroleum, n.o.p. ....	Imp. gal.	666,901	27,979	469,574	17,153
7156-	Fuel oil, ex-warehoused for ships' stores .....	Imp. gal.	24,369,010	750,118	31,198,446	866,359
7162-	Coal oil and kerosene lighter than .8236 specific gravity at 60° temperature, n.o.p. ....	Imp. gal.	2,415,350	181,742	4,723,576	325,217
7163-	Engine distillate .8017 specific gravity or heavier at 60° temperature .....	Imp. gal.	1,451,292	105,832	1,142,847	70,917
7164-	Gasoline lighter than .8236 specific gravity at 60° temperature .....	Imp. gal.	25,725,505	2,301,672	71,624,855	5,222,893
7165-	Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0° A.P.I.) at 60° Fahrenheit, when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada ...	Imp. gal.	46,752,596	3,086,462	47,413,265	2,497,014
7166-	Lubricating oils, composed wholly or in part of petroleum, and costing less than 25 cents per gallon .....	Imp. gal.	10,630,033	1,666,625	13,020,226	1,897,246
7167-	Lubricating oils, n.o.p. ....	Imp. gal.	4,701,097	1,746,106	3,153,200	1,259,758
7168-	All other oils, n.o.p. ....	Imp. gal.	150,865	68,422	187,525	75,304
7169-	Products of petroleum, n.o.p., .8236 specific gravity (40.3° A.P.I.) or heavier at 60° Fahrenheit .....	Imp. gal.	24,946,467	939,719	20,075,353	684,548
7181-	Grease, axle .....	Pound	5,858,947	342,386	5,588,079	311,550
7182-	Vaseline and all similar preparations of petroleum, for toilet, medicinal or other purposes .....	\$	...	254,251	...	233,267
7183-	Paraffine wax .....	Pound	6,394,336	279,822	13,868,469	454,495
7184-	Paraffine wax candles .....	Pound	270,349	37,290	186,525	34,895
7185-	Products of petroleum, n.o.p., lighter than .8236 specific gravity at 60° temperature .....	Imp. gal.	3,702,	342,440	3,869,992	333,033

Table 53 - IMPORTS INTO CANADA AND EXPORTS OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, 1937 and 1938.  
(concluded)

Tariff Item Number	Item	Unit of measure	1 9 3 7		1 9 3 8	
			Quantity	Value	Quantity	Value
(a) <u>IMPORTS</u> (concluded)						
7170-	Petroleum oil, .8236 specific gravity or heavier at 60° temperature for use exclusively in the manufacture of petroleum white oils (From August 25, 1937) .....	Imp.gal.	76,085	9,630	292,539	30,344
7186-	Liquefied petroleum gases for heating, cooking or illuminating purposes when imported in containers .....	‡	...	9,852	...	12,150
7141-	Asphaltum or asphalt, solid or not ...	Cwt.	166,732	184,175	296,125	193,513
7143-	Asphalt oil for paving purposes only .	Imp.gal.	67,837	4,099	41,062	3,255
	Coke, petroleum .....	Ton	119,291	849,530	81,364	628,963
TOTAL - PETROLEUM, ASPHALT AND THEIR PRODUCTS .....		‡	...	59,861,942	...	56,235,585
(b) <u>EXPORTS</u>						
	Oil, petroleum, crude .....	Imp.gal.	...	...	1,125	57
	Oil, coal and kerosene, refined .....	Imp.gal.	890,309	93,039	767,763	77,585
	Oil, gasoline and naphtha .....	Imp.gal.	4,300,115	400,800	4,984,879	458,997
	Fuel oil .....	Imp.gal.	11,048,568	474,628	1,847,017	92,095
	Oil, mineral, n.o.p. ....	Imp.gal.	1,174,183	319,280	806,041	247,207
	Wax, mineral .....	Cwt.	2,249	7,710	289	1,612
	Coke, petroleum .....	Ton	16,967	235,990	11,370	248,300
TOTAL - PETROLEUM AND ITS PRODUCTS ..		‡	...	1,531,447	...	1,125,853
(c) <u>RE-EXPORTS</u>						
	Gasoline .....	Imp.gal.	22,857	4,506	)	
	Fuel oil .....	Imp.gal.	2,167	269	)	
	Oil, mineral, n.o.p. ....	Imp.gal.	13,389	12,515	)	13,138
	Wax, mineral .....	Cwt.	21	297	)	
	Petroleum coke .....	Ton	32,990	559,678	14,038	294,575
TOTAL - RE-EXPORTS .....		‡	...	577,265	...	307,713

Table 54 - IMPORTS INTO CANADA OF PETROLEUM, ASPHALT AND THEIR PRODUCTS, BY PROVINCES, 1938.

NOTE - For descriptions of tariff item numbers see Table 30.

Province	No.7141	No.7143	No.7151	No.7153	No.7154	No.7156	No.7157	No.7158
	Cwt.	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.
Nova Scotia ....	1,139	...	93	121,251,143	...	318	...	...
New Brunswick ..	49	...	...	...	...	...	...	350
Quebec .....	33,859	335	454	581,177,070	...	3,788	1,044	4,162
Ontario .....	168,296	40,727	20,416	318,266,213	...	24,847	...	...
Manitoba .....	26,092	...	5,182	4,754,340	...	...	963,470	46,885
Saskatchewan ...	30,703	...	...	3,675,714	...	...	780,230	36,195
Alberta .....	50	...	...	7,298,345	...	...	5,991	370,847
British Columbia	35,937	...	43,448	189,917,356	...	31,169,493	...	11,135
CANADA .....	296,125	41,062	69,593	1,226,340,181	...	31,198,446	1,750,735	469,574

	No.7162	No.7183	No.7164	No.7165	No.7166	No.7167	No.7168
	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.	Imp.gal.
Prince Edward Island	...	...	...	...	4,007	124	...
Nova Scotia .....	93	...	255,761	9,951,432	87,057	192,165	1,232
New Brunswick .....	35,979	615	310,995	...	184,921	38,480	632
Quebec .....	138,166	229	43,588,209	20,937,800	1,105,440	494,990	68,535
Ontario .....	506,474	164,542	8,966,424	3,500,318	6,724,583	1,304,527	110,199
Manitoba .....	670,899	27,644	627,336	1,506,470	2,675,975	122,741	606
Saskatchewan .....	344,613	69,046	1,926,643	20,142	478,447	118,595	88
Alberta .....	2,078	875,736	10,676,888	358,208	621,002	193,764	3,144
British Columbia ...	3,025,274	5,035	5,272,599	11,138,895	1,138,794	687,814	3,089
CANADA .....	4,723,576	1,142,847	71,624,855	47,413,265	13,020,226	3,153,200	187,525

	No.7169	No.7181	No.7182	No.7183	No.7184	No.7185	No.7186
	Imp.gal.	Lb.	‡	Lb.	Lb.	Imp.gal.	‡
Prince Edward Island	...	...	...	...	...	...	...
Nova Scotia .....	225	184,912	1,197	313,670	1,291	...	302
New Brunswick .....	6,132	63,555	1,003	773,343	302	553	...
Quebec .....	6,706,995	478,182	48,191	5,169,832	42,876	698,087	6,303
Ontario .....	6,801,362	2,932,317	128,470	5,824,166	104,595	2,881,056	3,481
Manitoba .....	59,706	193,833	24,420	181,067	11,083	81,329	...
Saskatchewan .....	45,360	125,357	...	...	270	6,861	...
Alberta .....	233,110	272,515	2,531	727	628	8,539	...
British Columbia ...	6,222,463	1,337,408	27,455	1,605,664	25,480	193,567	2,064
CANADA .....	20,075,353	5,588,079	233,267	13,868,469	186,526	3,869,992	12,150



DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1938.

Name of Company	Location of Refinery	Crude oil capacity Bbls. per 24 hours	Type of refinery	Cracking	Plant	Capacity Bbls. per 24 hours
				Type		
<b>NOVA SCOTIA -</b>						
Imperial Oil Limited	Imperoyal	20,000	S - C	Combination two stage cracking unit		12,500
<b>NEW BRUNSWICK -</b>						
New Brunswick Gas & Oilfields Ltd.	Weldon	250	S	-		-
<b>QUEBEC -</b>						
British American Oil Co. Ltd.	Montreal East	12,000	S - C	Liquid and vapour phase		7,500
General Petroleum Refineries	Pointe-aux-Trembles	2,000	S	-		-
Imperial Oil Limited	Montreal	25,000	S - C	Tube and Tank		10,500
McCull-Fontenac Oil Co. Limited	Montreal East	20,000	S - C	2 Jenkins, 1 Kellogg and 1 own make		12,500
Shell Oil Company of Canada Ltd.	Montreal East	6,500	S - C	Dubbs Selective		4,250
<b>ONTARIO -</b>						
British American Oil Co. Limited	Toronto	6,000	S - C	Liquid and vapour phase		3,000
Canadian Oil Refineries Limited	Petrolia	3,000	S - C	Liquid phase		1,000
Good Rich Refining Co. Ltd.	Port Credit	2,000	S - C	Dubbs		900
Imperial Oil Limited	Sarnia	26,000	S - C	Tube and Tank		17,800
McCull-Fontenac Oil Co. Limited	Toronto	4,500	S - C	1 Jenkins		2,800
<b>MANITOBA -</b>						
Anglo-Canadian Oils Ltd.	Brandon	750	S	-		-
Carman Oil Refinery Ltd.	Carman	250	S	-		-
North Star Oil Limited	St. Boniface	800	S	-		-
Radio Oil Refineries Ltd.	East Kildonan	1,200	S	-		-
Trump Oil Company Limited	Morris	360	S	-		-
<b>SASKATCHEWAN -</b>						
British American Oil Co. Limited	Moose Jaw	4,000	S - C	Liquid and vapour phase		2,000
Carrot River Oil Refineries Ltd.	Melfort	250	S	-		-
Consumers Co-Operative Refineries Ltd.	Regina	500	S	-		-
Eaton Refining Co. Ltd.	Eaton	300	S	-		-
Hi-Way Refineries Limited	Moose Jaw	250	S	-		-
Hi-Way Refineries Limited	Prince Albert	200	S	-		-
Hi-Way Refineries Limited	Swift Current	225	S	-		-
Home Oil and Refining Co. Ltd.	Humboldt	300	S	-		-
Imperial Oil Limited	Regina	6,500	S - C	Tube and Tank		3,600
Northern Petroleum Corporation, Ltd.	Kamsack	200	S	-		-
Sterling Refineries Ltd.	Yorkton	750	S	-		-
Natural Sodium Products Ltd.	Bishopric	1,000	S	-		-

DIRECTORY OF OPERATING PETROLEUM REFINERIES IN CANADA, 1938. (continued)

Name of Company	Location of Refinery	Crude oil capacity Bbls. per 24 hours	Type of refinery	Cracking Plant		Capacity Bbls. per 24 hours
				Type		
<b>ALBERTA</b>						
Becker Refineries Ltd.	Royalties	500	S - C	-		300
British American Oil Co. Ltd.	Cooutts	2,500	S	-		-
British American Oil Co. Ltd.	Calgary	750	S	-		-
Dina Oil & Refining Co. Ltd.	Dina	100	S	-		-
Fraser, J.W., Refining Co.	Wainwright	50	S	-		-
Gas and Oil Products, Ltd.	Hartell	1,500	S	-		-
Gold Standard Oils Ltd.	Wainwright	300	S	-		-
Huff Refinery Co. Ltd.	Lethbridge	500	S	-		-
Hydro-Pete Oils Ltd.	Red Deer	200	S	-		-
Imperial Oil Ltd.	Calgary	6,000	S - C	Tube and tank		4,500
Lion Refining Company	Calgary	500	S	-		-
Munro, J.R.	Hubalta	500	S	-		-
Okotoks Oil & Refining Co. Ltd.	Okotoks	100	S	-		-
Oughton Bros.	Turner Valley	100	S	-		-
<b>BRITISH COLUMBIA -</b>						
Imperial Oil Limited	Ioco	16,000	S - C	Tube and Tank		3,400
Shell Oil Company of British Columbia Ltd.	Vancouver	4,000	S	-		-
Standard Oil Company of British Columbia Ltd.	Vancouver	2,500	S	-		-
<b>NORTHWEST TERRITORIES -</b>						
Northwest Company Ltd.	Fort Norman	150	S	-		-

S = Skimming.                      C = Cracking.

DIRECTORY OF PLANTS ENGAGED IN THE COMPOUNDING OF LUBRICATING OILS AND GREASES IN CANADA, 1938.

<u>Name of Company</u>	<u>Location of Plant</u>
<b>QUEBEC -</b>	
Chapman, L.L. & W. H.	Champlain St., Gatineau Point.
Economic Products Ltd.	6508 Durocher Avenue, Outremont.
Union Products	1150 Conway Street, Montreal.
<b>ONTARIO -</b>	
Campbell Grease Company	414 Eastern Avenue, Toronto.
Hollingshead, R.M., Co. of Canada, Ltd.	Bowmanville.
Houghton, E.F., & Co. of Canada, Ltd.	185 Dufferin St., Toronto.
Kendall Refining Company of Canada, Ltd.	35 Fraser Ave., Toronto.
National Graphite Products .....	2881 Danforth Ave., Toronto.
Ontario Lubricating Co. Ltd.	120 Chatham St., Hamilton.
Ontario Gasoline & Oil Ltd.	45 Dickens Ave., Toronto.
Tide Water Oil Co. of Canada, Ltd.	201 Weston Road S., Toronto.
<b>BRITISH COLUMBIA -</b>	
Canada Grease Works Ltd.	280 East 6th Avenue, Vancouver.

STATISTICS CANADA LIBRARY  
BIBLIOTHÈQUE STATISTIQUE CANADA



1010693290