

## D.B.S. MEMORANDUM

DOMINION BUREAU  
OF STATISTICS

JAN 25 1954

Dominion Bureau of Statistics, Ottawa, Canada  
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NO. 10PIPE LINES (OIL) STATISTICS8504-508  
15-1-54OCTOBER, 1953

The month of October saw the official opening of the Trans Mountain Oil Pipe Line Company's main line between Edmonton, Alta. and Burnaby, adjoining Vancouver, B. C. This line, 718 miles in length, crossing the Canadian Rockies to the Pacific coast, took nineteen months to build and makes available a new source of crude oil to the markets of the Pacific northwest. In Ontario the Sun-Canadian Pipe Line Company, Ltd. opened a line carrying refined products from Sarnia to Toronto.

Total deliveries from oil pipe lines in Canada during October rose to a net average of 416,939 barrels per day, compared with an average of 400,530 barrels in September and 349,927 barrels in October, 1952.

All provinces except Alberta and Quebec showed increased deliveries when compared with October, 1952. The provincial totals were as follows (1952 data in brackets): British Columbia, 267,064 barrels (nil); Alberta, 1,367,199 (1,655,546); Saskatchewan, 1,373,335 (1,182,367); Manitoba 3,669,181 (2,965,195); Ontario, 1,938,187 (323,829), and Quebec, 4,310,143 (4,720,805). Manitoba totals include 3,133,266 barrels (2,454,982) transferred to the Lakehead Pipe Line Company at Gretna and 535,915 (510,213) delivered within the province.

Included in the net receipts of oil for pipe line shipment during October were 6,493,003 barrels of Alberta crude, 38,085 barrels of Alberta natural gasoline, 77,591 of Manitoba crude, 4,217,934 imported crude and 2,002,806 barrels of refinery products.

Total net receipts of 12,829,419 barrels were 776,819 barrels or 5.7 p.c. below the September receipts of 13,606,238, but 19 p.c. above October last year. Receipts for the ten-month period amounted to 123,589,442 barrels, an increase of 41 p.c. over the same period of 1952.

Deliveries for the ten months, January to October, amounted to 119,985,808 barrels, an increase of 38 p.c. over the 86,907,484 barrels delivered in the corresponding period last year. Provincial totals for the ten months were as follows (1952 data in brackets): British Columbia, 267,064 (nil); Alberta 14,110,827, (13,095,710); Saskatchewan, 11,813,177 (9,053,703); Manitoba, 29,416,491 (22,688,125); Ontario 20,223,614 (1,240,650), and Quebec, 44,154,635 (40,829,296), Manitoba deliveries included 24,328,792 barrels (17,573,110) transferred to the Lakehead Pipe Line Company at the United States border, destined principally to Ontario refineries via lake tanker.

Gathering systems handled an average of 164,546 barrels per day, down by 18,987 from the September average of 183,533 barrels, but an increase of 11,477 barrels over October, 1952. Trunk line deliveries were up from a daily average of 457,448 barrels in September and 418,667 barrels one year ago to 476,776 barrels in October. This was an increase of 58,109 barrels per day or almost 14 p.c. above October, 1952.

The average length of haul for trunk lines dropped to 238.1 in October from 274.3 in September and 258.8 in October last year. Barrel miles for oil moved through trunk lines also decreased from 3,764 million in September to 3,520 million in October, but were 5 p.c. above the 1952 figure of 3,361 million.

The average number of employees rose to 1,057 compared with 932 in September and 707 in October, 1952. Total salaries and wages amounted to \$385,629, an increase of 14 p.c. over September and 55 p.c. over the October 1952 figure of \$248,712.

Deliveries of the Interprovincial Pipe Line Company increased from 4,199,322 barrels in September to 5,205,896 up by 1,006,574 barrels or 24 p.c. The daily average was raised from 139,977 barrels in September to 167,932 in the month under review and the average for the ten-month period rose to 140,595 compared with 111,275 in the corresponding period of last year. The Montreal Pipe Line Company also showed increased deliveries in October with a total of 4,310,143 barrels compared with 4,194,472 in September. The daily average, however, dropped from 139,816 barrels in September to 139,037. The Imperial Pipe Line Company recorded decreases in both receipts and deliveries, and the daily average for October dropped to 131,600 barrels from an average of 150,526 barrels in the previous month.

Revenue and employee data for the Sarnia Products Line Division of Imperial Oil, Ltd. are not available for this report as the pipe line operation forms only a part of the Company's activities and is not separable. For the same reason revenue and employee data of the Anglo-Canadian Oils, Limited pipe line in Manitoba have been omitted. Data on the activities of these companies have been shown in all other applicable sections of the report.

- \* Operations of the Sarnia Products Pipe Line Division of Imperial Oil Ltd. commenced in March of 1952. The Trans-Northern Pipe Line Company made its first deliveries of refinery products to Ontario terminals in November, 1952. This line runs from Montreal to Hamilton with a spur serving Ottawa.

Price per year \$1.00

Prepared in the Public Finance and Transportation Division

Net totals given in Table 6 exceed those in Tables 1 and 2 because of duplications resulting from inter-company transfers of oil. These differences are accounted for in the following table:

	<u>Barrels</u>
Total Received into Systems - all companies -	
during first ten months of 1953, per table 6 .....	178,616,737
Received into Trunk Lines from Other Canadian Pipe Lines .....	55,027,295
"Net Received" into Canadian Pipe Line Systems .....	123,589,442
"Net Received" into Trunk Systems per table 1 .....	76,289,041
"Net Received" into Gathering Systems per table 2 .....	47,300,401
Total Delivered out of Systems - all companies -	
during first ten months of 1953, per table 6 .....	175,208,352
Delivered to other Canadian Pipe Lines .....	55,222,544
"Net Delivered" from Canadian Pipe Line Systems .....	119,985,808
"Net Delivered" from Trunk Systems per table 1 .....	110,772,670
"Net Delivered" from Gathering Systems per table 2 .....	9,213,138

The fluctuations which occur in Shippers and Carriers balances monthly are accounted for by each company in a "monthly oil balance" statement. The oil balances have been tabulated for all companies for the ten month period covered by this report and are given herewith:

OIL BALANCE - ALL COMPANIES - OCTOBER, 1953

	<u>Barrels</u>	<u>Barrels</u>
Total Shippers Balances - January 1, 1953 .....	2,999,353	
Total Carriers Balances - January 1, 1953 .....	173,577	3,172,930
Received into Gathering Systems January 1 to October 31, 1953 .....	47,300,401	
Received into Trunk Systems January 1 to October 31, 1953 .....	136,250,194	183,550,595
Total oil accountable for period .....		186,723,525
Delivered from Gathering Systems January 1 to October 31, 1953 .....	47,118,637	
Delivered from Trunk Systems January 1 to October 31, 1953 .....	133,023,573	180,142,210
Balance to be accounted for at October 31, 1953 .....		6,581,315
Oil consumed as fuel and losses .....		285,672
Balance on hand - October 31, 1953 .....		6,295,643
Total Shippers Balances - October 31, 1953 .....	x 5,321,117	
Total Carriers Balances - October 31, 1953 .....	974,526	

Two trunk lines cross the St. Clair River from the United States at Sarnia. The limited nature of their domestic operations and shortness of the lines are such that they have been considered for purposes of this report merely as connections to refinery facilities in Canada and are not included in Canadian oil pipe line statistics. A summary of oil delivered by the two pipe lines follows:

Month	Transit and Storage Co. Crude Petroleum	Sun Pipe Line Co. Fuel and Other Refined Oil
	Barrels	Barrels
October, 1952	239,810	43,900
September, 1953	-	190,685
October, 1953	413,345	43,713
Year to Date 1953 (10 months)	5,098,369	748,691

x Includes 1,593,882 barrels loaned to Trans Mountain Oil Pipe Line Company for Pipe Line fill.

TABLE 1

OIL<sup>f</sup> CARRIED BY PIPE LINES - TRUNK

	October 1 9 5 3	September 1 9 5 3	October 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	14,517,671	15,266,540	12,887,126	136,250,194
Less: Received from other Canadian pipe lines -				
2.     Own gathering system	651,265	596,482	1,920,788	4,933,858
3.     Other pipe lines - Gathering	2,246,399	2,123,187	2,546,607	20,038,709
4.                             Trunk	3,898,437	4,490,431	2,412,174	34,988,586
5. <u>Net Received (6+7+8)</u>	7,721,570	8,056,440	6,007,557	76,289,041
6.     Originating on own trunk lines	3,426,045	3,743,506	972,942	31,719,957
7.     Received from foreign pipe line connections	4,217,934	4,257,008	4,760,438	44,152,159
8.     Received from other carriers (rail & truck)	77,591	55,926	274,177	416,925
9. <u>Total Delivered * (10+11)</u>	14,780,072	13,723,450	12,978,684	133,023,573
10. Less: Delivered to other Canadian trunk lines	2,838,607	2,897,712	2,411,614	22,250,903
11. <u>Net Delivered (12+13+14)</u>	11,941,465	10,825,738	10,567,070	110,772,670
12.     Terminated on own trunk lines	8,808,199	8,458,716	8,112,088	86,443,703
13.     Delivered to foreign pipe line connections	3,133,266	2,367,022	2,454,982	24,328,792
14.     Delivered to other carriers (rail & truck)	-	-	-	175

TABLE 2

OIL<sup>f</sup> CARRIED BY PIPE LINES - GATHERING

	October 1 9 5 3	September 1 9 5 3	x October 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	5,107,849	5,549,798	4,740,125	47,300,401
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	5,107,849	5,549,798	4,740,125	47,300,401
18.     Originating on own gathering system	5,000,786	5,410,735	4,729,141	46,130,044
19.     Received from other carriers (rail & truck)	107,063	139,063	10,984	1,170,357
20. <u>Total Delivered * (21+22+23)</u>	5,100,945	5,505,993	4,745,155	47,118,637
Less: Delivered to other pipe lines -				
21.     Own Trunk System	651,265	596,482	1,920,788	4,933,858
22.     Other pipe lines	3,466,036	3,719,352	2,543,695	32,971,641
23. <u>Net Delivered (24+25)</u>	983,644	1,190,159	280,672	9,213,138
24.     Terminated on gathering systems	839,727	899,066	289	7,665,679
25.     Delivered to other carriers (rail & truck)	143,917	291,093	280,383	1,547,459

<sup>f</sup> Includes natural gasoline and products.

\* Includes duplications.

<sup>f</sup> Includes natural gasoline.

x Revised.



TABLE 3 OIL CARRIED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT ORIGINATED

Province	October 1 9 5 3	September 1 9 5 3	x October 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	5,107,849	5,549,798	4,740,125	47,300,401
- Trunk	1,423,239	1,746,941	854,161	11,418,123
Manitoba - Trunk	77,591	55,926	11,259	416,925
Ontario (2) - Trunk	1,137,324	926,812	381,699	10,347,487
Quebec (3) - Trunk	5,083,416	5,326,761	4,760,438	54,106,506
Net Received - Trunk	7,721,570	8,056,440	6,007,557	76,289,041
Total	12,829,419	13,606,238	10,747,682	123,589,442

TABLE 4 OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENTS TERMINATED OR WERE TRANSFERRED TO OTHER CARRIERS

Province	October 1 9 5 3	September 1 9 5 3	x October 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
British Columbia - Trunk	267,064	-	-	267,064
Alberta - Gathering	983,644	1,190,159	280,672	9,213,136
" - Trunk	383,555	542,785	1,374,874	4,897,689
Saskatchewan - Trunk	1,373,335	1,189,179	1,182,367	11,813,177
Manitoba / - Trunk	3,669,181	2,907,790	2,965,195	29,416,491
Ontario (2) - Trunk	1,938,187	1,991,512	323,829	20,223,614
Quebec - Trunk	4,310,143	4,194,472	4,720,805	44,154,635
Net Delivered - Trunk	11,941,465	10,825,738	10,567,070	110,772,670
- Total	12,925,109	12,015,897	10,847,742	119,985,808
/ Including deliveries to U.S. pipe lines at Gretna, Manitoba	3,133,266	2,367,022	2,454,982	24,328,792

TABLE 5 OPERATING STATISTICS

	October 1 9 5 3	September 1 9 5 3	x October 1 9 5 2	YEAR TO DATE 1 9 5 3
Barrels Handled - Daily Average				
Gathering Systems      Barrels	164,546	183,533	153,069	154,995
Trunk Lines              "	476,776	457,448	418,667	437,577
Total Barrel Miles (Trunk Lines)      Millions	3,520	3,764	3,361	36,555
Average Miles per Barrel (Trunk Lines) Miles	238.1	274.3	258.8	274.8
Employees and Earnings (6)				
Average Number      (4)      No.	1,057	932	707	922
Total Salaries and Wages      †	385,629	337,723	248,712	3,315,764
Man Hours Worked by Wage Earners (5) (6) Hours	45,639	49,273	43,464	486,231

- (1) Includes natural gasoline.
- (2) Products of refineries.
- (3) Includes some products.
- (4) Includes salaried employees.
- (5) Includes overtime.
- (6) Excludes Anglo-Canadian Oils Limited and Sarnia Products Line.

x Revised

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

OCTOBER, 1953

Traffic and Operating Statistics	Imperial Pipe Line Co. Ltd.	Inter-provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (1)	Total
			<u>Barrels</u>		
<u>TRAFFIC</u>					
<u>Total Received into System</u>					
This month (October, 1953)	4,081,127	4,756,596	4,217,934	(2) 5,918,598	18,974,255
This year (10 months)	38,762,052	42,911,665	44,152,159	(3) 52,790,061	178,616,737
<u>Total Delivered out of System</u>					
This month (October, 1953)	4,079,606	5,205,896	4,310,143	(4) 5,634,107	19,229,752
This year (10 months)	38,695,375	42,740,858	44,154,635	(5) 49,617,484	175,208,352
<u>OPERATING STATISTICS</u>					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (October, 1953)	131,600	-	-	32,946	164,546
This year (10 months)	127,287	-	-	27,708	154,995
<u>Trunk Lines</u>					
This month (October, 1953)	-	167,932	139,037	169,807	476,776
This year (10 months)	-	140,595	145,245	151,737	437,577
<u>Total Barrel Miles</u>			<u>Miles</u>		
<u>(Trunk Lines - in millions)</u>					
This month (October, 1953)	-	2,352	317	851	3,520
This year (10 months)	-	26,906	3,246	6,403	36,555
<u>Average Miles Per Barrel</u>					
<u>(Trunk Lines)</u>					
This month (October, 1953)	-	452.0	73.5	161.6	238.1
This year (10 months)	-	630.0	73.5	138.8	274.8

	Imperial Pipe Line Co. Ltd.	Inter-provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (6)	Total
<u>OPERATING REVENUES</u>					
Three months ending March 31, 1953	723,488	2,682,266	444,475	1,293,049	5,143,278
Six months ending June 30, 1953	1,665,224	6,825,307	889,082	3,425,637	12,805,250
Nine months ending September 30, 1953	2,862,109	11,022,755	1,367,437	(7) 5,820,494	21,072,795
<u>EMPLOYEES AND EARNINGS</u>					
Number of employees (October, 1953)	217	364	46	430	1,057
<u>Salaries and Wages</u>					
This month (October, 1953)	77,067	145,579	16,989	145,994	385,629
This year (10 months)	747,160	1,312,243	158,971	1,097,390	3,315,764
<u>Man Hours Worked by Wage Earners</u>					
This month (October, 1953)	27,860	396	1,501	15,882	45,639
This year (10 months)	279,103	8,488	16,660	181,980	486,231

- (1) Amurex Oil Development Company  
 Anglo-Canadian Oils Limited  
 B.A. Alberta Pipe Line Limited  
 B.A. Saskatchewan Pipe Line Limited  
 Canadian Gulf Pipe Line Company  
 Edmonton Pipe Line Co. Limited  
 Imperial Oil Ltd. - Sarnia Products Pipe Line Division  
 Saskatoon Pipe Line Company  
 Sun-Canadian Pipe Line Co. Ltd.  
 Texaco Exploration Company  
 Trans Mountain Oil Pipe Line Company  
 Trans-Northern Pipe Line Company  
 Valley Pipe Line Company Limited  
 Winnipeg Pipe Line Company Limited

∅ Totals include duplication between companies.

- (6) B.A. Alberta Pipe Line, Limited  
 B.A. Saskatchewan Pipe Line Limited  
 Canadian Gulf Pipe Line Company  
 Edmonton Pipe Line Company Limited  
 Saskatoon Pipe Line Company  
 Texaco Exploration Company  
 Trans Mountain Oil Pipe Line Company  
 Trans-Northern Pipe Line Company  
 Valley Pipe Line Company, Limited  
 Winnipeg Pipe Line Company, Limited

(7) Includes Amurex Oil Development Co.

- (2) Includes 2,002,806 bbls. products and 38,085 bbls. natural gasoline  
 (3) " 20,301,834 " " " 364,892 " " "  
 (4) " 1,938,187 " " " 35,485 " " "  
 (5) " 20,223,614 " " " 358,444 " " "

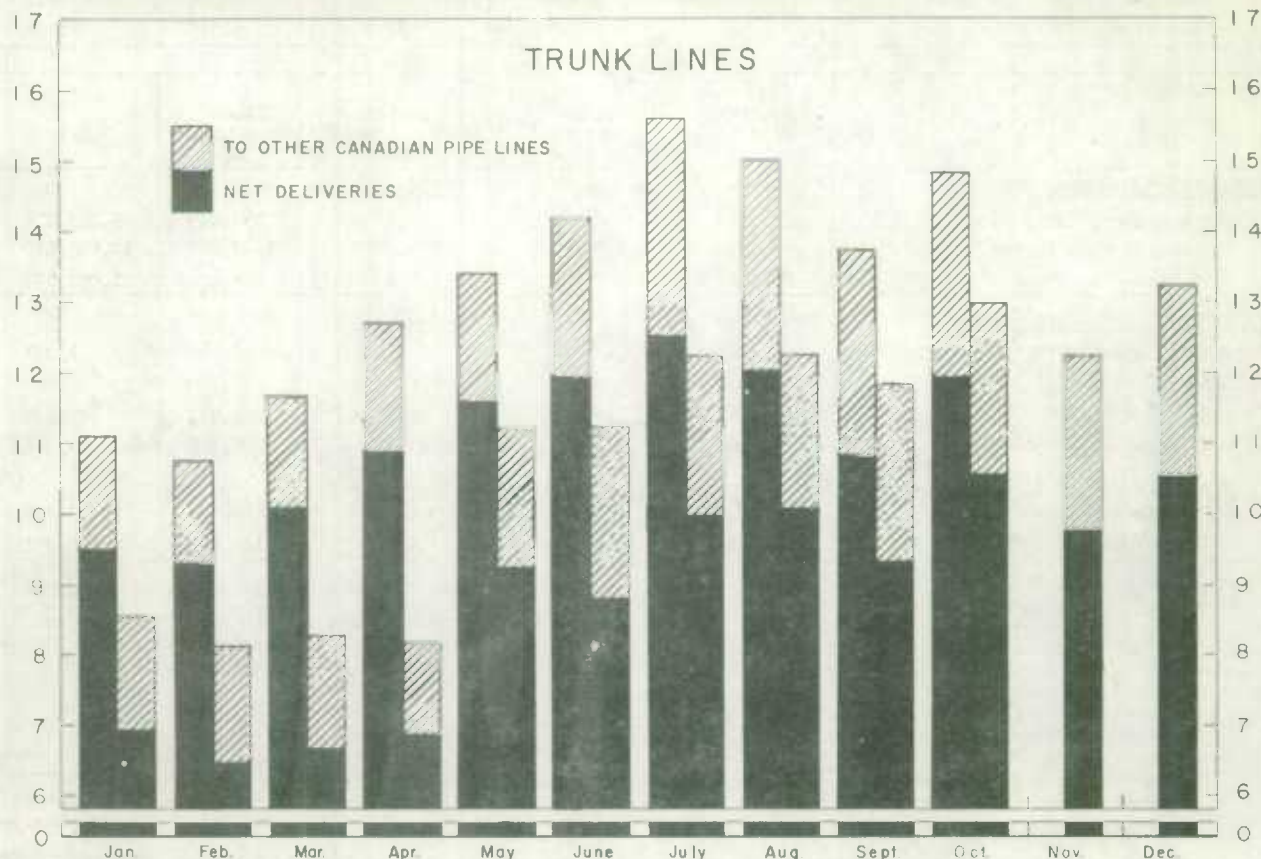
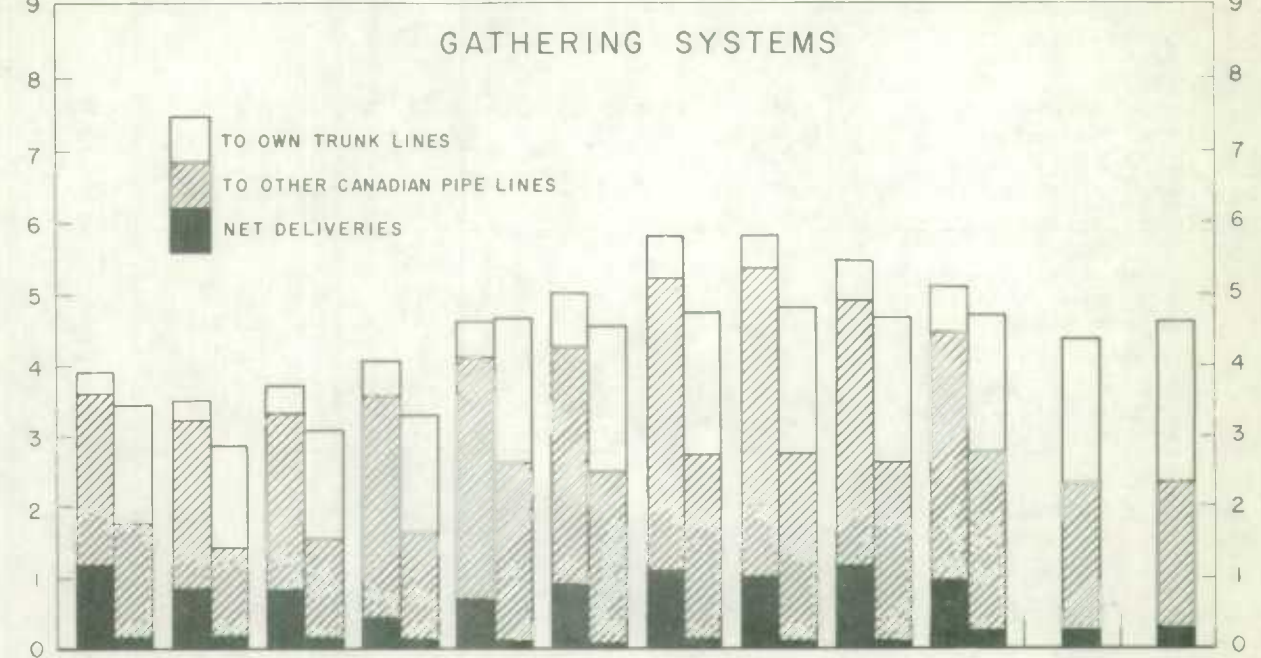


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## MONTHLY OIL\* DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1952 AND 1953

MILLION  
BARRELS

MILLION  
BARRELS



\* 1953 data not strictly comparable with 1952 as Trunk Line deliveries of one short line are now reported as Gathering System deliveries.