

DOMINION BUREAU OF STATISTICS
OTTAWA - CANADA



Memorandum

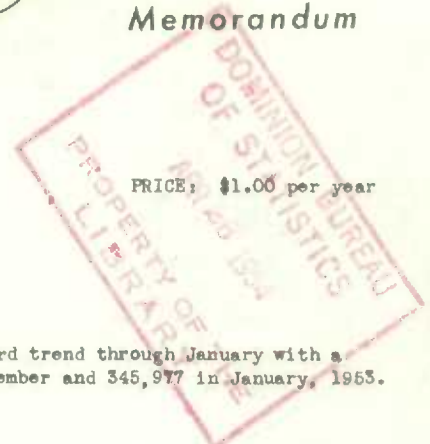
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JANUARY, 1954

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PIPE LINES (OIL) STATISTICS



The movement of oil through Canadian pipe lines continued its upward trend through January with a record net delivery of 495,703 barrels per day, compared with 464,502 barrels in December and 345,977 in January, 1953. This was an increase of 149,726 barrels or 43 p.c. over January, 1953.

Total net deliveries for the month amounted to 15,366,806 barrels, up by 4,641,505 from the total of 10,725,301 barrels recorded in January last year. Provincial deliveries were as follows (1953 data in brackets): British Columbia 939,868 barrels (nil); Alberta, 1,418,191 (1,589,024); Saskatchewan, 1,221,726 (1,222,195); Manitoba, 3,911,760 (1,681,920); Ontario, 2,837,248 (1,515,229) and Quebec, 5,038,013 (4,716,935). Included in the Manitoba deliveries were 3,368,596 barrels (1,191,468) transferred to the Lakehead Pipe Line at Gretna and 543,164 (490,452) delivered within the province. During the month of January 2,672,137 barrels which had been transported through the United States via the Lakehead Pipe Line re-entered Canada at Sarnia. This amount is shown in the table at the foot of page 2.

Total net receipts amounted to 15,430,460 barrels, up by some 4,500,000 barrels or 42 p.c. over the corresponding month last year. Included in the net receipts for January were 7,402,708 barrels of Alberta crude, 48,519 of Alberta natural gasoline, 1,947 barrels of Saskatchewan crude, 94,213 of Manitoba crude, 5,046,684 of imported crude and 2,836,489 barrels of refinery products.

Gathering systems handled an average of 189,478 barrels per day in January as compared with 188,985 barrels in December and 126,237 in January, 1953, up 50 p.c. over the previous year. Trunk line deliveries made a new record with a daily average of 588,525 barrels, 6 p.c. above the previous record of 554,079 barrels in December and 64 p.c. above January of last year. Total barrel miles also reached a new high at 5,478 million, 8 p.c. above December and more than double the January 1952 figure. The average haul rose from 294.4 in December to 300.2 miles.

Compared with January, 1953, the average number of employees rose by 26 p.c., from 881 in 1953 to 1,107, and total earnings rose from \$310,331 to \$433,061, and increase of 39.5 p.c.

Instead of the usual decline in January due to the winter freeze-up on the Great Lakes, the completion of Interprovincial's extension from Superior to Sarnia, allowing a year-round movement of oil, raised that company's deliveries to an all time high of 5,973,003 barrels. Total barrel miles also reached a record of 3,525 million, almost double the 1,850 reported in January last year. Deliveries of the Montreal Pipe Line Company recorded a new high at 5,038,013 barrels and Imperial's deliveries amounted to 4,498,466 barrels, compared with 4,716,935 and 3,249,506 barrels respectively for these two companies in January, 1953. The Trans Mountain Oil Pipe Line Company in its first three months of operation increased deliveries from 655,268 barrels in November to 939,868 in the month under review.

Revenue and employee data for the Sarnia Products Pipe 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 pipe line operation of Anglo Canadian Oils, Ltd. in Manitoba and employee data of the Amurex Oil Development Company in Alberta have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report.

* The Trans Mountain Oil Pipe Line Company made its first deliveries to British Columbia terminals in October, 1953.

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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.

Total Received into Systems - all companies -	<u>Barrels</u>
during January, 1954, per table 6	23,286,617
Received into Trunk Lines from Other Canadian Pipe Lines	7,866,167
"Net Received" into Canadian Pipe Line Systems	16,430,460
"Net Received" into Trunk Systems per table 1	9,569,786
"Net Received" into Gathering Systems per table 2	5,860,674
 Total Delivered out of Systems - all companies -	
during January, 1954, per table 6	23,226,912
Delivered to other Canadian Pipe Lines	7,860,106
"Net Delivered" from Canadian Pipe Line Systems	15,366,806
"Net Delivered" from Trunk Systems per table 1	14,551,518
"Net Delivered" from Gathering Systems per table 2	815,288

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 January and are given herewith:

OIL BALANCE - ALL COMPANIES - JANUARY, 1954

		<u>Barrels</u>
Total Shippers Balances - January 1, 1954	6,141,288	
Total Carriers Balances - January 1, 1954	787,070	6,928,368
Received into Gathering Systems during January	5,860,674	
Received into Trunk Systems during January	18,317,160	24,177,834
Total oil accountable for Period		31,106,192
Delivered from Gathering Systems during January	5,873,827	
Delivered from Trunk Systems during January	18,244,302	24,118,129
Balance to be accounted for at January 31, 1954		6,988,063
Oil consumed as fuel and losses		52,742
Balance on hand - January 31, 1954		6,935,321
Total Shippers Balances - January 31, 1954	(1) 6,204,145	
Total Carriers Balances - January 31, 1954	731,176	

With the completion in December of Interprovincial's extension to Sarnia, there are now three oil pipe lines crossing 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 three pipe lines follows:

Month	Interprovincial Pipe Line Company	The Buckeye Pipe Line Company	Sun Pipe Line Company
	Crude Oil	Crude Oil	Crude and Refined Oil
	Barrels	Barrels	Barrels
January, 1953	-	(2) 1,126,725	52,689
December, 1953	-	424,970	383,613
January, 1954	2,672,137	177,230	332,722

(1) Includes 1,012,320 barrels loaned to Trans Mountain Oil Pipe Line Company for pipe line fill.
(2) Deliveries of Transit and Storage Company, whose pipe line properties have been sold to the Buckeye Pipe Line Company.

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	JANUARY 1 9 5 4	DECEMBER 1 9 5 3	x JANUARY 1 9 5 3
	Barrels	Barrels	Barrels
1. Total Received * (2+3+4+5)	18,317,160	17,621,167	11,227,772
Less: Received from other Canadian pipe lines -			
2. Own Gathering System	891,217	974,053	304,139
3. Other pipe lines - Gathering	2,293,675	2,358,206	1,718,388
4. Trunk	5,562,482	5,314,426	2,253,198
5. Net Received (6+7+8)	9,569,786	8,974,483	6,952,047
6. Originating on own trunk lines	4,427,042	4,182,748	2,198,683
7. Received from foreign pipe line connections	5,046,584	4,677,368	4,712,955
8. Received from other carriers (rail & truck)	96,160	114,367	40,429
9. Total Delivered * (10+11)	18,244,302	17,176,458	11,104,679
10. Less: Delivered to other Canadian trunk lines	3,692,784	3,648,465	1,570,164
11. Net Delivered (12+13+14)	14,551,518	13,527,993	9,534,525
12. Terminated on own trunk lines	11,182,922	10,318,226	8,343,067
13. Delivered to foreign pipe line connections	3,368,596	3,209,573	1,191,468
14. Delivered to other carriers (rail & truck)	-	194	-

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	JANUARY 1 9 5 4	DECEMBER 1 9 5 3	JANUARY 1 9 5 3
	Barrels	Barrels	Barrels
15. Total Received (16+17)	5,860,674	5,792,310	3,952,410
16. Less: Received from other gathering systems	-	-	-
17. Net Received (18+19)	5,860,674	5,792,310	3,952,410
18. Originating on own gathering system	5,708,264	5,619,477	3,844,413
19. Received from other carriers (rail & truck)	152,410	172,833	107,997
20. Total Delivered * (21+22+23)	6,875,827	5,858,556	3,913,352
Less: Delivered to other pipe lines -			
21. Own Trunk system	891,217	974,053	304,139
22. Other pipe lines	4,167,322	4,012,944	2,418,437
23. Net Delivered (24+25)	815,288	871,559	1,190,776
24. Terminated on gathering systems	717,589	855,007	907,736
25. Delivered to other carriers (rail & truck)	97,699	16,552	283,040

/ Includes natural gasoline and products

* Includes duplications.

/ Includes natural gasoline

x Revised

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

Province	JANUARY		DECEMBER		JANUARY	
	1 9 5 4		1 9 5 3		1 9 5 3	
	Barrels		Barrels		Barrels	
Alberta (1) - Gathering	5,860,674		5,792,310		3,952,410	
Trunk	1,590,553		1,511,332		688,146	
Saskatchewan - Trunk	1,947		5,365		-	
Manitoba - Trunk	94,213		109,002		40,429	
Ontario (2) - Trunk	1,551,505		1,469,019		940,365	
Quebec (3) - Trunk	6,331,568		5,879,765		5,283,108	
Net Received - Trunk	9,569,786		8,974,483		6,952,047	
- Total	15,430,460		14,766,793		10,904,457	

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

Province	JANUARY		DECEMBER		x JANUARY	
	1 9 5 4		1 9 5 3		1 9 5 3	
	Barrels		Barrels		Barrels	
British Columbia - Trunk	939,868		617,679		-	
Alberta (1) - Gathering	815,288		871,559		1,190,776	
- Trunk	602,903		620,957		398,248	
Saskatchewan - Trunk	1,221,726		1,179,914		1,222,193	
Manitoba / - Trunk	3,911,760		3,748,489		1,681,920	
Ontario (2) - Trunk	2,837,248		2,671,212		1,515,229	
Quebec - Trunk	5,038,013		4,689,742		4,716,935	
Net Delivered - Trunk	14,551,518		13,527,993		9,534,525	
- Total	15,366,806		14,399,552		10,725,301	
/ Including deliveries to U.S. pipe lines at Gretna, Man.	3,368,596		3,209,573		1,191,468	

TABLE 5 OPERATING STATISTICS

		JANUARY		DECEMBER		JANUARY	
		1 9 5 4		1 9 5 3		1 9 5 3	
Barrels Handled - Daily Average							
Gathering Systems	Barrels	189,478		188,985		126,237	
Trunk Lines	"	588,525		554,079		x 358,215	
Total Barrel Miles (Trunk Lines)	Million	5,478		x 5,056		2,630	
Average Miles per Barrel (Trunk Lines)	Miles	300.2		x 294.4		236.9	
Employees and Earnings (6)							
Average Number (4)	No.	1,107		1,104		881	
Total Salaries and Wages	\$	433,051		447,308		310,331	
Man Hours Worked by Wage Earners (5)(6)	Hours	49,713		52,949		48,506	

- (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 Carnia Products Line
- x Revised

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

JANUARY, 1954

Traffic and Operating Statistics	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Trans Mountain Oil Pipe Line Company	Other Pipe Lines (1)	Total
TRAFFIC *						
<u>Total Received into System</u>						
This month (January, 1954)	4,486,408	6,028,602	5,046,584	925,690	(2)6,801,335	23,286,617
<u>Total Delivered out of System</u>						
This month (January, 1954)	4,498,466	5,973,003	5,038,013	939,868	(3)6,777,562	23,226,912
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (January, 1954)	145,112	-	-	-	44,366	189,478
<u>Trunk Lines</u>						
This month (January, 1954)	-	192,678	162,516	30,518	203,015	588,625
<u>Total Barrel Miles</u>						
<u>(Trunk Lines - in millions)</u>						
This month (January, 1954)	-	3,525	371	675	907	5,478
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (January, 1954)	-	590.0	75.6	718.0	144.1	300.2
EMPLOYEES AND EARNINGS						
Number of employees (January, 1954)	214	368	42	187	(4) 296	1,107
<u>Salaries and Wages</u>						
This month (January, 1954)	75,841	148,911	15,924	83,834	(4) 108,541	433,051
<u>Man Hours Worked by Wage Earners</u>						
This month (January, 1954)	25,857	144	320	3,400	(4)19,992	49,713

* Totals include duplications between companies

(1) Includes 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 - Sarnia Products Pipe Line Division; Saskatoon Pipe Line Company; Sun Canadian Pipe Line Co. Limited; Texaco Exploration Company; Trans-Northern Pipe Line Company; Valley Pipe Line Company, Limited, and Winnipeg Pipe Line Company, Limited.

(2) Includes 2,836,489 bbls. products and 48,519 bbls. natural gasoline.

(3) Includes 2,837,248 bbls. products and 46,045 bbls. natural gasoline.

(4) Excludes Amurex Oil Development Company, Anglo-Canadian Oils, Limited, and Imperial Oil- Sarnia Products Pipe Line Division.

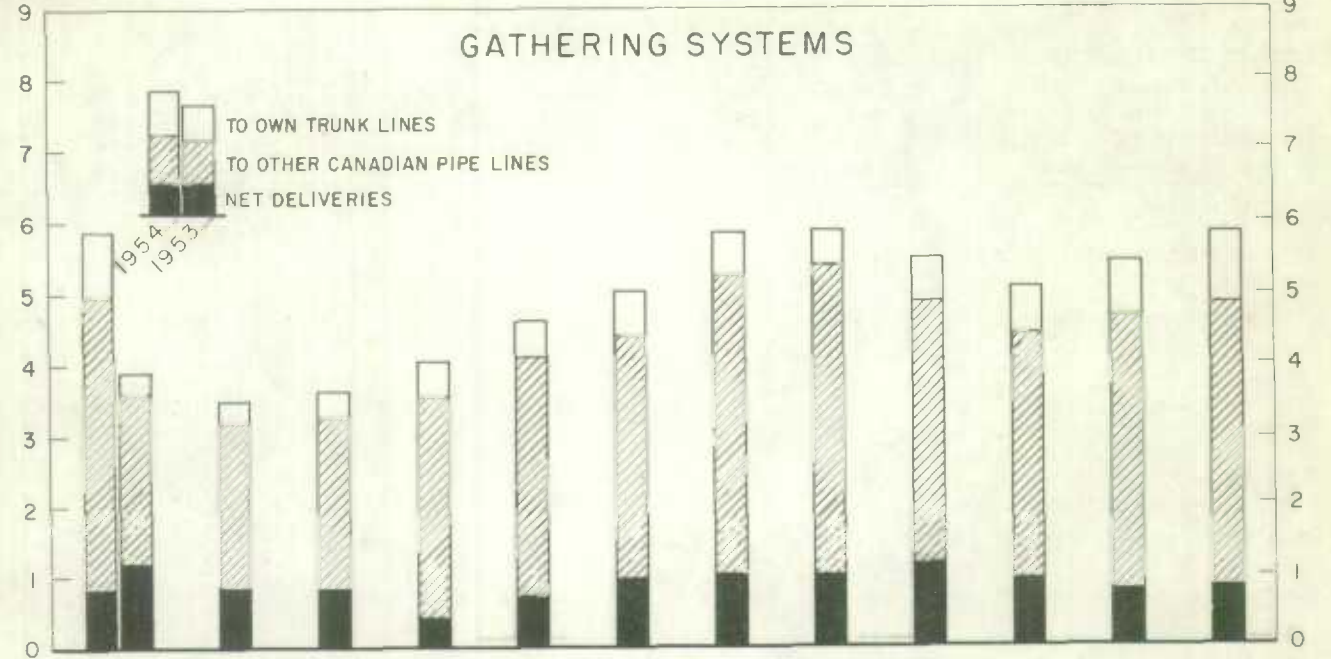


MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1953 AND 1954

MILLION
BARRELS

MILLION
BARRELS

GATHERING SYSTEMS



TRUNK LINES

