

D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada

VOL. 3
NO. 12

c.1

PIPE LINES (OIL) STATISTICS

DECEMBER, 1953

DOMINION BUREAU
OF STATISTICS

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The volume of oil carried by Canadian pipe lines rose to a new peak in December with a net average delivery of 464,502 barrels per day. This was an increase of 33,888 barrels or 8 p.c. over November and 33 p.c. over December, 1952.

Total net deliveries at 14,399,552 barrels recorded an increase of 11 p.c. over November and were 3,550,631 barrels, or 33 p.c. above December, 1952. By the year end net deliveries had reached a total of 147,303,771 barrels, an increase of 37 p.c. over 1952 deliveries of 107,795,668 and 67 p.c. above 1951. Refined products accounted for 2,671,212 barrels of the December total and for the year amounted to 24,868,257 barrels, as against only 3,093,944 in 1952.

Provincial deliveries for the 12 months ended December were as follows (1952 data in brackets): British Columbia 1,540,011 barrels (nil¹); Alberta 16,984,749 (16,053,757); Saskatchewan, 14,189,654 (11,164,892); Manitoba, 36,682,639 (27,630,314); Ontario, 24,868,257 (3,093,944*), and Quebec, 53,038,461 (49,852,761). Manitoba deliveries included 30,524,131 barrels (21,520,764) transferred to the Lakehead Pipe Line Company at Gretna destined principally to Ontario refineries at Sarnia.

In the past the bulk of this oil crossing the border at Gretna has moved from Superior to Sarnia by way of lake tanker until the close of navigation. With the completion in December of Lakehead's 643 mile extension from Superior to Sarnia, the Interprovincial Pipe Line Company now operates the longest crude oil pipe line in the world. This extension commenced operating in December and provides transportation facilities for year round movement of oil from western Canada to refineries at Sarnia.

Net receipts in December totalled 14,766,793 barrels, compared with 13,296,952 in November and 11,306,624 in December, 1952, an increase of 31 p.c. over the previous year. Included in the net receipts for December were 7,257,597 barrels of Alberta crude, 46,045 of Alberta natural gasoline, 5,365 barrels of Saskatchewan crude, 109,002 of Manitoba crude, 4,677,368 of imported crude and 2,671,416 barrels of refinery products. Receipts for the twelve months amounted to 151,653,187 barrels, an increase of 42,834,499 barrels or 39 p.c. over 1952.

Gathering systems handled an average of 188,985 barrels per day in December as against 148,437 in December, 1952. Trunk line deliveries rose to a new peak with a daily average of 554,079 barrels, an increase of 48,303 over November and 127,638 barrels or 30 p.c. over December last year. Total barrel miles reached a new high in December at 5,043 million, the total for the year amounting to 47,381 million as against 31,978 in 1952.

Employment during the month of December reached a new high with an average of 1,104 employees earning \$447,308, compared with an average of 905 employees earning \$361,513 in December, 1952. For the twelve months ending December 31 the average number of employees was 951, an increase of 36 p.c. over the 1952 average of 697. Earnings for the year amounted to \$4,188,498 as against \$2,933,024 in 1952, up by almost 43 p.c. Compared with 1952, average earnings were up by 5 p.c., rising from \$4,208 in 1952 to \$4,404 in 1953.

Revenues recorded a seasonal decline during the fourth quarter, but for the twelve months were up by 33 p.c., totalling \$28,305,431 compared with \$21,271,008 in 1952.

By the end of 1953, deliveries of the Interprovincial Pipe Line Company had risen to a total of 53,568,834 barrels, as against 41,281,157 in 1952, an increase of 30 p.c. Their barrel miles rose from a total of 26,740 million in 1952 to 34,564 million in 1953. Imperial's deliveries for the year amounted to 47,468,043 barrels, up 8 p.c. over the previous year, while the Montreal Pipe Line Company increased their total deliveries for the year by 6.3 p.c., from 49,852,761 in 1952 to 53,038,461 barrels.

Revenue and employee data for the Sarnia Products Pipe Line Div'n. 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 operations of Anglo Canadian Oils, Ltd. in Manitoba and employee data of the Amrex 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.

¹ The Trans Mountain Oil Pipe Line Company made its first deliveries to British Columbia terminals in October, 1953.

* 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 twelve months of 1953, per table 6	221,264,826
Received into Trunk Lines from Other Canadian Pipe Lines	69,611,639
"Net Received" into Canadian Pipe Line Systems	151,653,187
"Net Received" into Trunk Systems per table 1	93,144,193
"Net Received" into Gathering Systems per table 2	58,508,994
Total Delivered out of Systems - all companies -	
during twelve months of 1953, per table 6	217,113,470
Delivered to other Canadian Pipe Lines	69,809,699
"Net Delivered" from Canadian Pipe Line Systems	147,303,771
"Net Delivered" from Trunk Systems per table 1	136,418,044
"Net Delivered" from Gathering Systems per table 2	10,885,727

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 twelve month period covered by this report and are given herewith:

OIL BALANCE - ALL COMPANIES - DECEMBER, 1953

	<u>Barrels</u>
Total Shippers Balances - January 1, 1953	2,999,353
Total Carriers Balances - January 1, 1953	<u>173,577</u> 3,172,930
Received into Gathering Systems January 1 to December 31, 1953	58,508,994
Received into Trunk Systems January 1 to December 31, 1953	<u>169,460,691</u> 227,969,685
Total oil accountable for Period	231,142,615
Delivered from Gathering Systems January 1 to December 31, 1953	58,445,002
Delivered from Trunk Systems January 1 to December 31, 1953	<u>165,373,327</u> 223,818,329
Balance to be accounted for at December 31, 1953	7,324,286
Oil consumed as fuel and losses	<u>395,928</u>
Balance on hand - December 31, 1953	6,928,358
Total Shippers Balances - December 31, 1953	(1) 6,141,288
Total Carriers Balances - December 31, 1953	787,070

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	The Buckeye Pipe Line Company	Sun Pipe Line Co.
	Crude Oil	Crude and Refined Oil
	Barrels	Barrels
December, 1952	(2) 944,655	49,419
November, 1953	443,652	164,503
December, 1953	424,970	383,613
Year to date 1953 (12 months)	5,966,991	1,296,807

(1) Includes 1,167,930 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

	DECEMBER 1 9 5 3	NOVEMBER 1 9 5 3	DECEMBER 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received</u> * (2+3+4+5)	17,621,167	15,589,330	13,705,044	169,460,691
Less: Received from other Canadian pipe lines -				
2. Own gathering system	974,053	796,948	2,262,772	6,704,859
3. Other pipe lines - Gathering	2,358,205	2,245,396	2,041,120	24,642,310
4. Trunk	5,314,426	4,666,317	2,675,075	44,969,329
5. <u>Net Received</u> (6+7+8)	8,974,483	7,880,669	6,726,077	93,144,193
6. Originating on own trunk lines	4,182,748	3,508,828	2,017,392	39,411,533
7. Received from foreign pipe line connections	4,677,368	4,265,379	4,685,971	53,094,906
8. Received from other carriers (rail & truck)	114,367	106,462	22,714	637,754
9. <u>Total Delivered</u> * (10+11)	17,176,458	15,173,296	13,219,657	165,373,327
10. Less: Delivered to other Canadian trunk lines	3,648,465	3,055,915	2,670,611	28,955,283
11. <u>Net Delivered</u> (12+13+14)	13,527,993	12,117,381	10,549,046	136,418,044
12. Terminated on own trunk lines	10,318,226	9,131,615	9,015,332	105,893,544
13. Delivered to foreign pipe line connections	3,209,573	2,985,766	1,533,714	30,524,131
14. Delivered to other carriers (rail & truck)	194	-	-	369

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	DECEMBER 1 9 5 3	NOVEMBER 1 9 5 3	DECEMBER 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received</u> (16+17)	5,792,310	5,416,283	4,580,547	58,508,994
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received</u> (18+19)	5,792,310	5,416,283	4,580,547	58,508,994
18. Originating on own gathering system	5,619,477	5,298,508	4,438,904	57,048,029
19. Received from other carriers (rail & truck)	172,833	117,775	141,643	1,460,965
20. <u>Total Delivered</u> * (21+22+23)	5,858,556	5,467,809	4,601,552	58,445,002
Less: Delivered to other pipe lines -				
21. Own Trunk system	974,053	796,948	2,262,772	6,704,859
22. Other pipe lines	4,012,944	3,869,831	2,038,905	40,854,416
23. <u>Net Delivered</u> (24+25)	871,559	801,030	299,875	10,885,727
24. Terminated on gathering systems	855,007	786,922	37,192	9,307,608
25. Delivered to other carriers (rail & truck)	16,552	14,108	262,683	1,578,119

∧ Includes natural gasoline and products

* Includes duplications

∂ Includes natural gasoline

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

Province	DECEMBER	NOVEMBER	DECEMBER	YEAR TO DATE
	1 9 5 3	1 9 5 3	1 9 5 2	1 9 5 3
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	5,792,310	5,416,283	4,580,547	58,508,994
- Trunk	1,511,332	1,525,664	692,918	14,455,119
Saskatchewan - Trunk	5,365	2,812	-	8,177
Manitoba - Trunk	109,002	103,650	22,714	629,577
Ontario (2) - Trunk	1,469,019	1,052,707	846,250	12,869,213
Quebec (3) - Trunk	5,879,765	5,195,836	5,164,195	65,182,107
Net Received - Trunk	8,974,483	7,880,669	6,726,077	93,144,193
- Total	14,766,793	13,296,952	11,306,624	151,653,187

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

Province	DECEMBER	NOVEMBER	DECEMBER	YEAR TO DATE
	1 9 5 3	1 9 5 3	1 9 5 2	1 9 5 3
	Barrels	Barrels	Barrels	Barrels
British Columbia - Trunk	617,679	655,268	-	1,540,011
Alberta (1) - Gathering	871,559	801,030	299,875	10,885,727
- Trunk	620,957	580,376	1,313,743	6,099,022
Saskatchewan - Trunk	1,179,914	1,196,563	1,138,443	14,189,654
Manitoba / - Trunk	3,748,489	3,517,659	2,104,192	36,682,639
Ontario (2) - Trunk	2,671,212	1,973,431	1,307,821	24,868,257
Quebec - Trunk	4,689,742	4,194,084	4,684,847	53,038,461
Net Delivered - Trunk	13,527,993	12,117,381	10,549,046	136,418,044
- Total	14,399,552	12,918,411	10,848,921	147,303,771
/ Including deliveries to U.S. pipe lines at Gretna, Man.	3,209,573	2,985,766	1,533,714	30,524,131

TABLE 5 OPERATING STATISTICS

		DECEMBER	NOVEMBER	DECEMBER	YEAR TO DATE
		1 9 5 3	1 9 5 3	1 9 5 2	1 9 5 3
Barrels Handled - Daily Average					
Gathering Systems	Barrels	188,985	182,260	148,437	160,123
Trunk Lines	"	554,079	505,776	426,441	453,077
Total Barrel Miles (Trunk Lines)	Million	5,043	4,711	2,883	47,381
Average Miles per Barrel (Trunk Lines)	Miles	293.6	310.5	218.1	286.5
Employees and Earnings (6)					
Average Number (4)	No.	1,104	1,087	905	951
Total Salaries and Wages	\$	447,308	425,426	361,513	4,188,498
Man Hours Worked by Wage Earners (5) (6)	Hours	52,949	47,088	50,478	586,268

- (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

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

DECEMBER, 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
TRAFFIC					
<u>Total Received into System</u>					
This month (December, 1953)	4,475,972	5,996,787	4,677,368	(2) 7,289,297	22,439,424
This year (12 months)	47,492,905	54,222,412	53,094,906	(3) 66,454,603	221,264,826
<u>Total Delivered out of System</u>					
This month (December, 1953)	4,491,246	5,762,502	4,689,742	(4) 7,117,471	22,060,961
This year (12 months)	47,468,043	53,568,834	53,038,461	(5) 63,038,132	217,113,470
OPERATING STATISTICS					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (December, 1953)	144,879	-	-	44,106	188,985
This year (12 months)	130,049	-	-	30,074	160,123
<u>Trunk Lines</u>					
This month (December, 1953)	-	185,887	151,282	216,910	554,079
This year (12 months)	-	146,764	145,310	161,003	453,077
<u>Total Barrel Miles</u>					
(Trunk Lines - in millions)					
This month (December, 1953)	-	3,395	345	1,303	5,043
This year (12 months)	-	34,564	3,899	8,918	47,381
<u>Average Miles Per Barrel</u>					
(Trunk Lines)					
This month (December, 1953)	-	589.0	73.5	193.7	293.6
This year (12 months)	-	645.0	73.5	151.7	286.5
REVENUES AND EMPLOYEES					
<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
Twelve months ending December 31, 1953	3,958,040	13,746,308	1,783,560	(7) 8,817,523	28,305,431
<u>EMPLOYEES AND EARNINGS</u>					
<u>Number of employees (December, 1953)</u>					
	215	371	42	476	1,104
<u>Salaries and Wages</u>					
(Dollars)					
This month (December, 1953)	78,541	158,037	16,074	194,656	447,308
This year (12 months)	900,416	1,614,311	191,556	1,482,215	4,188,498
<u>Man Hours Worked by Wage Earners</u>					
(Hours)					
This month (December, 1953)	28,540	1,292	648	22,469	52,949
This year (12 months)	333,909	10,685	18,148	223,526	586,268

- (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

Ø 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
 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

- (2) Includes 2,671,416 bbls. products and 46,045 bbls. natural gasoline
 (3) " 24,956,414 " " 456,901 " " "
 (4) " 2,671,212 " " 47,292 " " "
 (5) " 24,868,257 " " 450,978 " " "

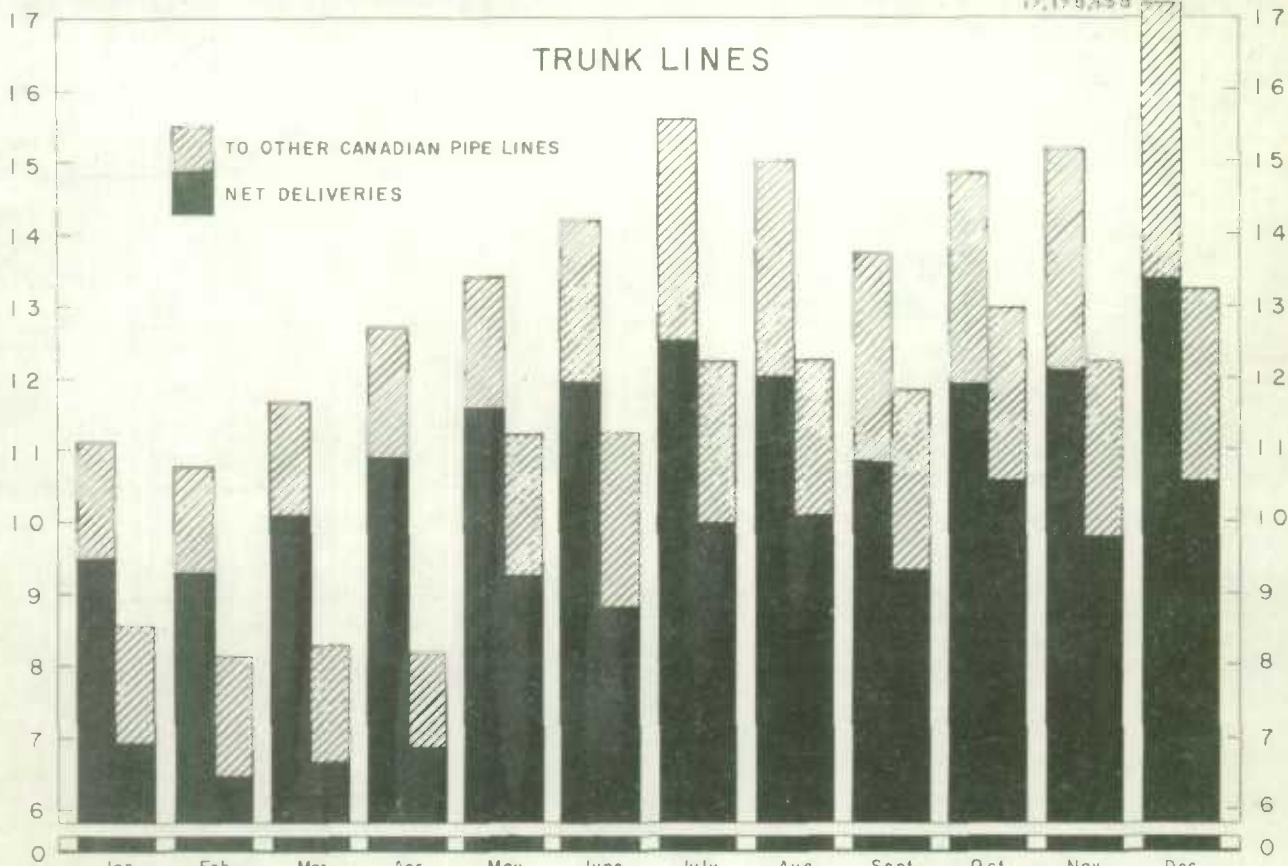
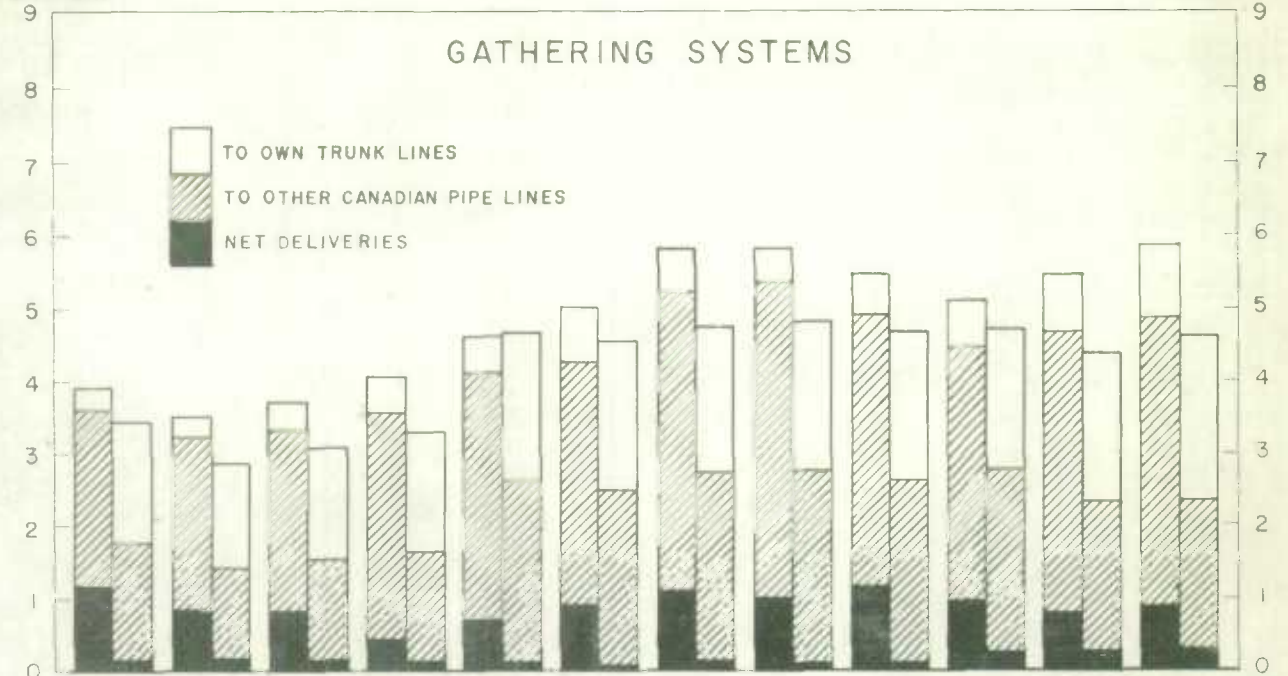
(7) Includes Amurex Oil Development Co.



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.