

D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada

VOL. 3
NO. 1

PIPE LINES (OIL) STATISTICS

JANUARY, 1953

DOMINION BUREAU
OF STATISTICS

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Average oil pipe line deliveries in January were a net total of 345,935 barrels daily, down 4,030 barrels or 1.2 p.c. from the 349,965 per day in December, 1952 but up 51.8 p.c. or 118,042 barrels over the 227,893 per day delivered during January, 1952.

Total net deliveries for the month at 10,723,984 were 124,937 less than the December movement and 3,659,294 barrels greater than net deliveries made in the preceding January. Commencing with the current issue the Imperial Pipe Line Company report their operations in Alberta as a gathering system only. For this reason Alberta gathering and trunk deliveries for January, 1953 are not strictly comparable with those shown in previous reports.

Net deliveries in all provinces during January this year were well above those made one year earlier. Comparison of the several provincial totals in the two periods follows (1952 data in brackets): Alberta 1,589,024 barrels (1,290,086); Saskatchewan 1,220,876 (812,081); Manitoba 1,681,920 (1,293,544); Ontario 1,515,229 (Nil*) and Quebec 4,716,935 barrels (3,668,979). Manitoba totals include 1,191,468 barrels (776,107) transferred to Lakehead Pipe Line Co. at Gretna and 490,452 barrels (517,437) delivered within the province.

Net receipts of oil for shipment by pipe line in Canada during January included 4,591,612 barrels of Alberta crude, 48,943 of Alberta natural gasoline, 40,429 barrels of Manitoba crude, 4,712,935 of imported crude and 1,510,538 barrels of refinery products.

A daily average of 126,237 barrels was handled by gathering systems in January, up 16,325 from the January, 1952 average of 109,912. Trunk line deliveries though adversely affected by the change in reporting by the Imperial Pipe Line Co., were 358,173 barrels per day in January this year against 276,092 barrels daily in January of last year. Traffic on trunk lines represented a total of 2,630 million barrel miles in the current January compared with 1,739 million one year earlier. The length of haul increased from 203.2 miles per barrel in January, 1952 to 236.9 miles per barrel in the month under review.

Employment data for those carriers reporting reveal that 881 persons earned \$310,331 in January of this year. These figures represented increases of 49.8 p.c. and 60.0 p.c. respectively over the 588 employees and their \$193,906 earnings recorded in the same month of 1952.

During January the Montreal Pipe Line delivered 4,716,935 barrels of oil at its Montreal terminal. The Imperial Pipe Line in Alberta now showing all deliveries as gathering system deliveries reported a daily average of 104,823 barrels handled each day in January. Deliveries by the Interprovincial Pipe Line, affected by a seasonal drop in demand and the lack of an outlet to Ontario refineries due to the winter freeze-up in the Great Lakes, fell to their lowest point since April, 1952 and stood at 95,361 barrels per day during January. Completion of the Company's extension from Superior, Wisconsin, to Sarnia, Ontario during this summer should overcome the seasonal decline in use of facilities occasioned by the closing of navigation on the Great Lakes during the winter months. The Interprovincial Company performed a traffic movement of 1.85 billion barrel miles in October and had an average haul of 626 miles per barrel in the month under review. The Montreal Pipe Line, whose supply of oil is not affected by winter conditions and facing a constantly increasing demand, recorded the second highest traffic movement in its history in handling a daily average of 152,159 barrels in January.

- * Operations of the Sarnia Products Pipe Line Division of Imperial Oil Ltd. commenced in March of 1952. Revenue and employee data for the pipe line 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. 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 intercompany transfers of oil. These differences are accounted for in the following table.

	Barrels
Total Received into Systems - all companies -	
during January, 1953, per table 6	14,876,043
Received into Trunk Lines from Other Canadian Pipe Lines	3,971,586
"Net Received" into Canadian Pipe Line Systems	10,904,457
"Net Received" into trunk Systems per table 1	6,952,047
"Net Received" into Gathering Systems per table 2	3,952,410
Total Delivered out of Systems - all companies -	
during January, 1953, per table 6	14,712,575
Delivered to other Canadian Pipe Lines	3,988,591
"Net Delivered" from Canadian Pipe Line Systems	10,723,984
"Net Delivered" from Trunk Systems per table 1	9,533,208
"Net Delivered" from Gathering Systems per table 2	1,190,776

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 1953

	Barrels	Barrels
Total Shippers Balances - January 1, 1953	2,999,353	
Total Carriers Balances - January 1, 1953	173,577	3,172,930
Received into Gathering Systems during January	3,952,410	
Received into Trunk Systems during January	11,227,772	15,180,182
Total oil accountable for month		18,353,112
Delivered from Gathering Systems during January	3,913,352	
Delivered from Trunk Systems during January	11,103,362	15,016,714
Balance to be accounted for at January 31, 1953		3,336,398
Oil consumed as fuel and losses		16,388
Balance on hand - January 31, 1953		3,321,010
Total Shippers Balances - January 31, 1953	3,098,255	
Total Carriers Balances - January 31, 1953	222,756	

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
January, 1952	1,190,454	53,012
December, 1952	944,655	49,419
January, 1953	1,126,725	52,689

TABLE 1

OIL[†] CARRIED BY PIPE LINES - TRUNK

	JANUARY 1953	DECEMBER 1952	JANUARY 1952
	Barrels	Barrels	Barrels
1. <u>Total Received*</u> (2+3+4+5)	11,227,772	13,705,044	8,710,137
Less: Received from other Canadian pipe lines -			
2. Own gathering system	304,139	2,262,772	1,683,128
3. Other pipe lines - Gathering	1,718,388	2,041,120	1,598,636
4. Trunk	2,253,198	2,675,075	1,597,414
5. <u>Net Received</u> (6+7+8)	6,952,047	6,726,077	3,830,959
6. Originating on own trunk lines	2,198,683	2,017,392	-
7. Received from foreign pipe line connections	4,712,935	4,685,971	3,679,220
8. Received from other carriers (rail & truck)	40,429	22,714	151,739
9. <u>Total Delivered*</u> (10+11)	11,103,362	13,219,657	8,558,837
10. Less: Delivered to other Canadian trunk lines	1,570,154	2,670,611	1,621,426
11. <u>Net Delivered</u> (12+13+14)	9,533,208	10,549,046	6,937,411
12. Terminated on own trunk lines	8,341,740	9,015,332	6,161,304
13. Delivered to foreign pipe line connections	1,191,468	1,533,714	776,107
14. Delivered to other carriers (rail & truck)	-	-	-

* Includes duplications.

† Includes products and natural gasoline.

TABLE 2

OIL[†] CARRIED BY PIPE LINES - GATHERING

	JANUARY 1953	DECEMBER 1952	JANUARY 1952
	Barrels	Barrels	Barrels
15. <u>Total Received</u> (16+17)	3,952,410	4,580,547	3,424,511
16. Less: Received from other gathering systems	-	-	-
17. <u>Net Received</u> (18+19)	3,952,410	4,580,547	3,424,511
18. Originating on own gathering system	3,844,413	4,438,904	3,421,834
19. Received from other carriers (rail & truck)	107,997	141,643	2,677
20. <u>Total Delivered*</u> (21+22+23)	3,913,352	4,601,552	3,407,292
Less: Delivered to other pipe lines -			
21. Own Trunk system	304,139	2,262,772	1,683,128
22. Other pipe lines	2,418,437	2,038,905	1,596,885
23. <u>Net Delivered</u> (24+25)	1,190,776	299,875	127,279
24. Terminated on gathering systems	907,736	37,192	29,191
25. Delivered to other carriers (rail & truck)	283,040	262,683	98,088

* Includes duplications.

† Includes natural gasoline.

TABLE 3

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

Province	JANUARY 1953	DECEMBER 1952	JANUARY 1952
	Barrels	Barrels	Barrels
Alberta (1) - Gathering	3,952,410	4,580,547	3,424,511
- Trunk	688,145	692,918	151,739
Manitoba - Trunk	40,429	22,714	-
Ontario (2) - Trunk	940,365	846,250	-
Quebec (3) - Trunk	5,283,108	5,164,195	3,679,220
Net Received - Trunk	6,952,047	6,726,077	3,830,959
Total	10,904,457	11,306,624	7,255,470

TABLE 4

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

Province	JANUARY 1953	DECEMBER 1952	JANUARY 1952
	Barrels	Barrels	Barrels
Alberta (1) - Gathering	1,190,778	299,875	127,279
- Trunk	398,248	1,313,743	1,162,807
Saskatchewan - Trunk	1,220,876	1,138,443	812,081
Manitoba / - Trunk	1,681,920	2,104,192	1,293,544
Ontario (2) - Trunk	1,515,229	1,307,821	-
Quebec - Trunk	4,716,935	4,684,847	3,668,979
Net Delivered - Trunk	9,533,208	10,549,046	6,937,411
Total	10,723,984	10,848,921	7,064,690
/ Including deliveries to U.S. pipe lines at Gretna, Man.	1,191,468	1,533,714	776,107

TABLE 5

OPERATING STATISTICS

	JANUARY 1953	DECEMBER 1952	JANUARY 1952
Barrels Handled - Daily Average			
Gathering Systems	Barrels	126,237	148,437
Trunk Lines	"	358,173	426,441
Total Barrels Miles (Trunk Lines)	Millions	2,630	2,883
Average Miles per Barrel (Trunk Lines)	Miles	236.9	218.1
Employees and Earnings (5)			
Average Number (4)	No.	881	905
Total Salaries and Wages	\$	310,331	361,513
Man Hours Worked by Wage Earners (5) (6)	Hours	48,506	50,478

(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.

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TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

JANUARY, 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>			<u>Barrels</u>		
This month (January, 1953)	3,257,869	3,053,276	4,712,935	(2)3,851,963	14,876,043
<u>Total Delivered out of System</u>					
This month (January, 1953)	3,249,506	2,956,179	4,716,935	(3)3,789,955	14,712,575
OPERATING STATISTICS					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (January, 1953)	104,823	-	-	21,414	126,237
<u>Trunk Lines</u>					
This month (January, 1953)	-	95,361	152,159	110,653	358,173
<u>Total Barrel Miles</u>			<u>Miles</u>		
(Trunk Lines - in millions)					
This month (January, 1953)	-	1,850	347	433	2,630
<u>Average Miles Per Barrel</u>					
(Trunk Lines)					
This month (January, 1953)	-	626.0	73.5	126.2	236.9

Employees	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (4)	Total
EMPLOYEES AND EARNINGS					
<u>Number of employees (January, 1953)</u>	220	304	<u>Number</u> 37	320	881
<u>Salaries and Wages</u>			<u>Dollars</u>		
This month (January, 1953)	74,209	116,999	13,413	105,710	310,331
<u>Man Hours Worked by Wage Earners</u>			<u>Hours</u>		
This month (January, 1953)	28,162	790	336	19,218	48,506

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

* Totals include duplications between companies.

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

- (2) Includes 1,510,538 bbls. products and 48,943 bbls. natural gasoline.
 (3) " 1,515,229 " " 44,017 " " "



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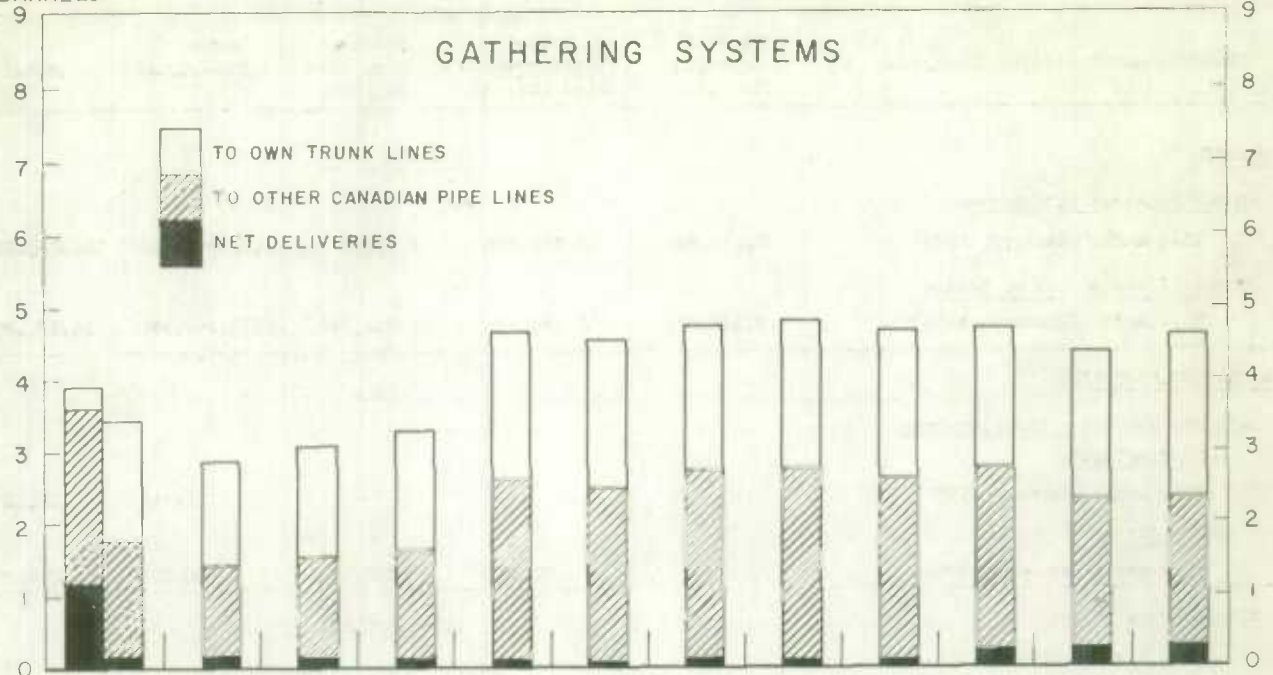
MONTHLY OIL* DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1952 AND 1953

MILLION
BARRELS

MILLION
BARRELS

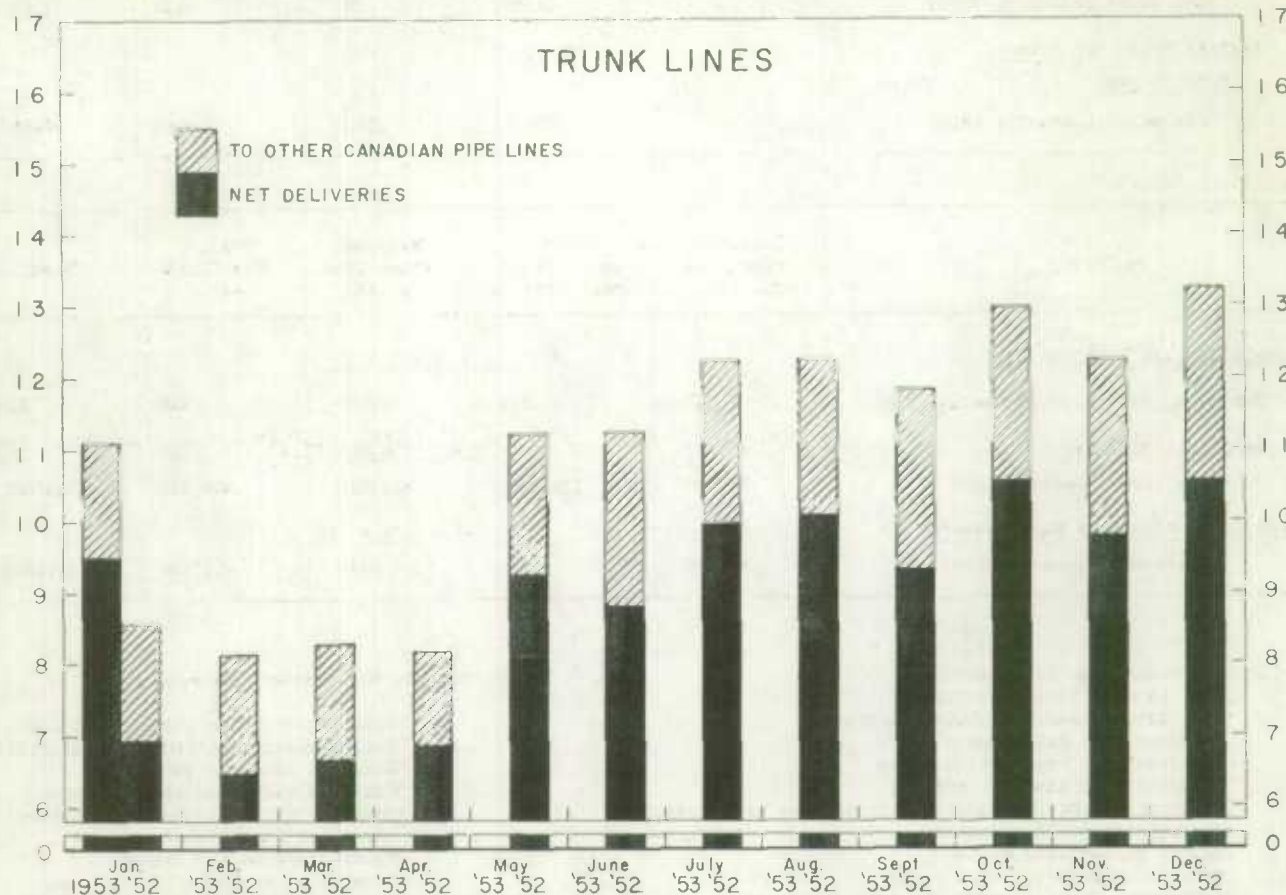
GATHERING SYSTEMS

TO OWN TRUNK LINES
TO OTHER CANADIAN PIPE LINES
NET DELIVERIES



TRUNK LINES

TO OTHER CANADIAN PIPE LINES
NET DELIVERIES



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