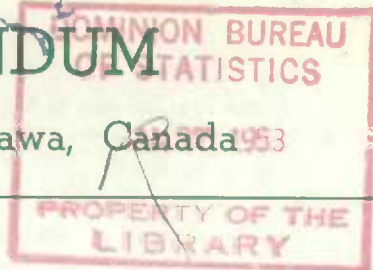


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# D.B.S. MEMORANDUM



Dominion Bureau of Statistics, Ottawa, Canada

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VOL. 2  
No. 10

PIPE LINES (OIL) STATISTICS

8504-608

OCTOBER, 1952

16-1-53

Average net oil pipeline deliveries soared to a new peak of 348,396 barrels daily in October. This represented a 10.6 p.c. or 33,291 barrel increase over the September figure of 315,105 barrels per day. It was also 23.6 p.c. higher than the 281,949 barrels delivered daily out of Canadian pipelines in October, 1951 and 6.1 p.c. above the previous record of 328,344 barrels a day set in August, 1952.

Total net deliveries for the month at 10,800,280 barrels were 1,347,123 greater than the September movement and 2,059,853 barrels above net deliveries made in October, 1951. Trunk line traffic again was well above the ten million barrel mark with 10,567,070 barrels delivered. This was 1,244,972 higher than September deliveries and 2,029,250 barrels more than the 8,537,820 which trunk lines delivered during October of 1951. Gathering system deliveries rose 102,151 barrels over September and 30,603 above the October, 1951 traffic. Net deliveries in all provinces were greater than those made one year earlier. Comparison of provincial totals in the two periods, 1951 data shown in brackets, is given herewith: Alberta 1,608,984 (1,279,640); Saskatchewan 1,182,367 (995,551); Manitoba 2,965,195 (2,256,859); Ontario 323,829 (Nil\*) and Quebec 4,720,805 (4,208,377) barrels. Manitoba totals include 2,454,982 barrels (1,971,718) transferred to Lakehead Pipe Line Co. and 510,213 barrels (285,141) delivered within the province.

Net receipts of oil for shipment by pipe line in Canada during October included 5,514,761 barrels of Alberta crude, 43,204 of Alberta natural gasoline, 4,760,438 of imported crude and 381,699 barrels of refinery products.

Cumulative net deliveries of 86,724,095 barrels in the ten-month period to October 31 were up 13,581,796 or 18.6 p.c. over the 73,142,299 barrels delivered to the end of October last year. Provincial totals for the ten-month periods follow, with 1951 data in brackets: Alberta 12,912,321 barrels (11,666,334); Saskatchewan 9,053,703 (8,262,860); Manitoba 22,688,125 (15,628,079); Ontario 1,240,650 (Nil\*) and Quebec 40,829,296 barrels (37,585,026). In the ten-month period 17,573,110 barrels (12,146,500) were delivered to the United States sector of the Interprovincial pipe line en route to the lakehead mainly for trans-shipment by lake tanker to Sarnia. These totals were included in Manitoba deliveries as shown above.

A daily average of 151,538 barrels was handled by gathering systems in October, up 16,568 from the October, 1951 average of 134,970. Trunk lines increased deliveries from an average 324,396 barrels per day in October last year to 418,667 daily in the month under review. Traffic on trunk lines represented a total of 3,359 million barrel miles in the current October compared with 2,598 million one year earlier. Totals for the periods January 1 to October 31 showed 19,455 million barrel miles in the ten months of 1951 and a sharp increase to 25,928 million in ten months of 1952. Oil moved virtually the same distance in October 1952 as in the previous October, the respective lengths of haul being 258.8 miles and 258.4 miles per barrel.

Employment data for the carriers reporting reveal that 703 persons earned \$248,290 in October 1952. These represented 26 p.c. and 33 p.c. increases respectively over the 559 employees and their earnings of \$187,301 recorded in the same month of 1951.

During the ten-month period of 1952 the Montreal pipe line delivered 40,829,296 barrels including 4,720,805 in October. The Imperial pipe line delivered an average 112,796 barrels per day in October to raise its average for the year-to-date to 130,389 barrels daily. An October average of 152,284 barrels per day handled by the Montreal line brought that company's trunk line average for the ten months to 133,867 barrels per diem. The Interprovincial pipe line performed a traffic movement of almost 2.9 billion barrel miles in October raising that firm's total for the period January 1 to October 31 to slightly under 22 billion which was almost 85 p.c. of the total for all companies of 25.9 billion barrel miles.

Operations of the Sarnia Products Pipe Line Division of Imperial Oil Ltd. commenced in March of this year. 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 and that of the Socony-Vacuum Exploration Co. in Alberta have been omitted. Data on the activities of these companies have been retained in all other applicable sections of the report.

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.

	<u>Barrels</u>
Total Received into Systems - all companies - during first ten months of 1952 per table 6 .....	128,446,066
Received into Trunk Lines from Other Canadian Pipe Lines .....	41,174,816
"Net Received" into Canadian Pipe Line Systems .....	<u>87,271,249</u>
"Net Received" into Trunk Systems per table 1 .....	46,620,289
"Net Received" into Gathering Systems per table 2 .....	40,650,960
 Total Delivered out of Systems - all companies - during first ten months of 1952, per table 6 .....	 127,893,963
Delivered to other Canadian Pipe Lines .....	41,169,668
"Net Delivered" from Canadian Pipe Line Systems .....	<u>86,724,095</u>
"Net Delivered" from Trunk Systems per table 1 .....	85,447,851
"Net Delivered" from Gathering Systems per table 2 .....	1,276,244

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 - JANUARY - OCTOBER, 1952

	<u>Barrels</u>	<u>Barrels</u>
Total Shippers Balances - January 1, 1952 .....	2,080,246	
Total Carriers Balance - January 1, 1952 .....	333,584	2,413,830
Received into Gathering Systems January 1 to October 31, 1952 .....	40,650,960	
Received into Trunk Systems January 1 to October 31, 1952 .....	106,247,175	146,898,135
Total oil accountable for period .....		149,311,965
Delivered from Gathering Systems, January 1 to October 31, 1952 .....	40,685,939	
Delivered from Trunk Systems, January 1 to October 31, 1952 .....	105,660,094	146,346,033
Balance to be accounted for at October 31, 1952 .....		2,965,932
Oil consumed as fuel and losses .....		<u>220,948</u>
Balance on hand - October 31, 1952 .....		2,744,984
Total Shippers Balances - October 31, 1952 .....	2,421,391	
Total Carriers Balances - October 31, 1952 .....	323,593	

Two trunk lines cross the St. Clair River from the United States at Sarnia. The limited nature of their 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.	Sun Pipe Line Co.
	Crude Petroleum	Fuel and Other Refined Oil
	<u>Barrels</u>	<u>Barrels</u>
October, 1951 .....	649,052	59,938
September, 1952 .....	255,314	57,977
October, 1952 .....	239,810	43,900
Year to Date, 1952 (ten months) ...	6,236,288	518,378

OIL CARRIED BY PIPE LINES - TRUNK

TABLE 1

	OCTOBER 1952	SEPTEMBER 1952	OCTOBER 1951	YEAR TO DATE 1952
	Barrels	Barrels	Barrels	Barrels
1. Total Received * (2+3+4+5)	12,887,126	12,366,111	9,941,718	106,247,175
Less: Received from other Canadian pipe lines-				
2. Own gathering system	1,920,788	2,032,323	1,616,791	18,452,070
3. Other pipe lines - Gathering	2,546,607	2,507,876	2,367,720	20,989,092
4. Trunk	2,412,174	2,522,122	1,521,247	20,185,724
5. Net Received (6+7+8)	8,007,557	8,308,790	4,435,960	46,620,289
6. Originating on own trunk lines	972,942	632,989	-	3,797,222
7. Received from foreign pipe line connections	4,760,458	4,396,989	4,165,164	40,946,764
8. Received from other carriers (rail & truck)	274,177	275,812	270,796	1,876,305
9. Total Delivered * (10+11)	12,978,684	11,847,256	10,086,326	105,660,094
10. Less: Delivered to other Canadian trunk lines	2,411,614	2,525,158	1,518,806	20,212,243
11. Net Delivered (12+13+14)	10,567,070	9,322,098	8,567,520	85,447,851
12. Terminated on own trunk lines	8,112,088	7,552,856	6,586,102	67,874,741
13. Delivered to foreign pipe line connections	2,454,982	1,769,242	1,971,718	17,873,110
14. Delivered to other carriers (rail & truck)	-	-	-	-

\* Includes duplications.

† Includes products and natural gasoline.

OIL CARRIED BY PIPE LINES - GATHERING

TABLE 2

	OCTOBER 1952	SEPTEMBER 1952	OCTOBER 1951	YEAR TO DATE 1952
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	4,692,545	4,665,234	4,186,757	40,650,960
16. Less: Received from other gathering systems	-	-	-	-
17. Net Received (18+19)	4,692,545	4,665,234	4,186,757	40,650,960
18. Originating on own gathering system	4,681,561	4,654,235	4,175,893	40,546,639
19. Received from other carriers (rail & truck)	10,984	10,999	10,864	104,321
20. Total Delivered * (21+22+23)	4,697,693	4,668,428	4,184,081	40,655,939
Less: Delivered to other pipe lines-				
21. Own trunk system	1,920,788	2,032,323	1,616,791	18,452,070
22. Other pipe lines	2,543,695	2,505,046	2,364,683	20,957,625
23. Net Delivered (24+25)	233,210	131,059	202,607	1,276,244
24. Terminated on gathering systems	289	40,010	33,806	325,430
25. Delivered to other carriers (rail & truck)	232,921	91,049	168,699	950,814

\* Includes duplications.

† Includes natural gasoline.

TABLE 3

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

Province		OCTOBER 1952	SEPTEMBER 1952	OCTOBER 1951	YEAR TO DATE 1952
		Barrels	Barrels	Barrels	Barrels
Alberta <sup>(1)</sup>	- Gathering	4,692,545	4,665,234	4,186,757	40,650,960
	- Trunk	865,420	733,423	370,796	4,319,360
Ontario <sup>(2)</sup>	- Trunk	381,699	175,378	-	1,354,175
Quebec <sup>(3)</sup>	- Trunk	4,760,438	4,396,989	4,165,164	40,946,764
Not Received	- Trunk	6,007,557	5,305,790	4,435,960	46,620,289
	Total	10,700,102	9,971,024	7,622,717	87,271,249

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

TABLE 4

Province		OCTOBER 1952	SEPTEMBER 1952	OCTOBER 1951	YEAR TO DATE 1952
		Barrels	Barrels	Barrels	Barrels
Alberta <sup>(1)</sup>	- Gathering	233,210	131,059	202,607	1,276,244
	- Trunk	1,374,874	1,311,796	1,077,033	11,636,077
Saskatchewan	- Trunk	1,182,367	1,046,607	995,551	9,053,703
Manitoba <sup>†</sup>	- Trunk	2,965,195	2,382,429	2,256,859	22,688,126
Ontario <sup>(2)</sup>	- Trunk	323,829	175,306	-	1,240,680
Quebec	- Trunk	4,720,805	4,405,960	4,208,377	40,829,296
Not Delivered	- Trunk	10,567,070	9,322,098	8,537,820	85,447,851
	Total	10,800,280	9,453,157	8,740,427	86,724,095
†	Including deliveries to U.S. pipe lines at Gretna, Man.	2,454,982	1,769,242	1,971,718	17,573,110

TABLE 5

OPERATING STATISTICS

		OCTOBER 1952	SEPTEMBER 1952	OCTOBER 1951	YEAR TO DATE 1952
Barrels Handled - Daily Average					
Gathering Systems	Barrels	151,538	155,615	134,970	133,397
Trunk Lines	"	418,667	394,908	324,396	346,427
Total Barrel Miles (Trunk Lines)	Millions	3,359	2,781	2,598	25,928
Average Miles per Barrel (Trunk Lines)	Miles	258.8	234.8	258.4	245.4
Employees and Earnings <sup>(6)</sup>					
Average Number <sup>(4)</sup>	Number	703	687	559	654
Total Salaries and Wages	\$	248,290	242,786	*187,301	2,236,771
Man Hours Worked by Wage Earners <sup>(5)</sup> (6)	Hours	43,207	41,812	37,447	398,758

- (1) Includes natural gasoline.
- (2) Products of refineries.
- (3) Receipts from U.S. pipe lines at Highwater, Que.
- (4) Includes salaried employees.
- (5) Includes overtime.
- (6) Excludes Anglo-Canadian Oils Limited, Sarnia Products Line and Socony-Vacuum Exploration Co.

\* Revised.

PIPE LINE STATISTICS, BY COMPANIES

TABLE 6

OCTOBER, 1952

TRAFFIC AND OPERATING STATISTICS	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (1)	Total
<b>TRAFFIC*</b>					
<b>Barrels</b>					
<u>Total Received into System</u>					
This month (October, 1952)	4,301,224	4,153,000	4,760,438	(2) 2,444,231	15,658,883
This year (10 months )	36,223,491	34,228,987	40,946,764	(3) 17,048,843	128,446,065
<u>Total Delivered out of System</u>					
This month (October, 1952)	4,304,969	4,354,191	4,720,805	(4) 2,375,624	15,755,589
This year (10 months )	36,267,814	33,938,929	40,829,295	(5) 16,857,914	127,893,963
<b>OPERATING STATISTICS</b>					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (October, 1952)	130,389	-	-	21,149	151,538
This year (10 months )	112,796	-	-	20,601	133,397
<u>Trunk Lines</u>					
This month (October, 1952)	63,064	140,458	152,284	62,861	418,667
This year (10 months )	58,502	111,275	133,867	42,783	346,427
<u>Total Barrel Miles</u>					
<u>(Trunk Lines - in millions)</u>					
This month (October, 1952)	35	2,867	347	110	3,359
This year (10 months )	316	21,966	3,006	640	25,928
<u>Average Miles per Barrel</u>					
<u>(Trunk Lines)</u>					
This month (October, 1952)	17.6	658.0	73.6	56.5	258.8
This year (10 months )	17.7	647.0	73.6	49.0	245.4

REVENUE AND EMPLOYERS	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (6)	Total
<b>OPERATING REVENUES</b>					
<b>Dollars</b>					
Three Months ending March 31, 1952	651,976	2,308,982	381,109	386,539	3,728,606
Six months ending June 30, 1952	1,549,965	5,944,947	785,908	800,468	9,081,288
Nine Months ending Sept. 30, 1952	2,573,199	10,225,594	1,243,928	1,353,792	15,396,513
<b>EMPLOYEES AND EARNINGS</b>					
<b>Number</b>					
Number of employees (October, 1952)	288	329	56	90	703
<b>Dollars</b>					
<u>Salaries and Wages</u>					
This month (October, 1952)	78,013	124,783	17,271	28,233	248,290
This year (10 months )	725,666	1,123,464	147,196	240,445	2,236,771
<u>Man Hours Worked by Wage Earners</u>					
<b>Hours</b>					
This month (October, 1952)	30,307	1,830	2,798	8,272	43,207
This year (10 months )	287,601	11,922	19,607	79,628	398,758

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

\*Totals include duplications between companies.

- (6) B.A. Alberta Pipe Line, Limited  
 B.A. Saskatchewan Pipe Line, Limited  
 Edmonton Pipe Line Company, Limited  
 Texaco Exploration Company  
 Valley Pipe Line Company, Limited  
 Winnipeg Pipe Line Company, Limited.

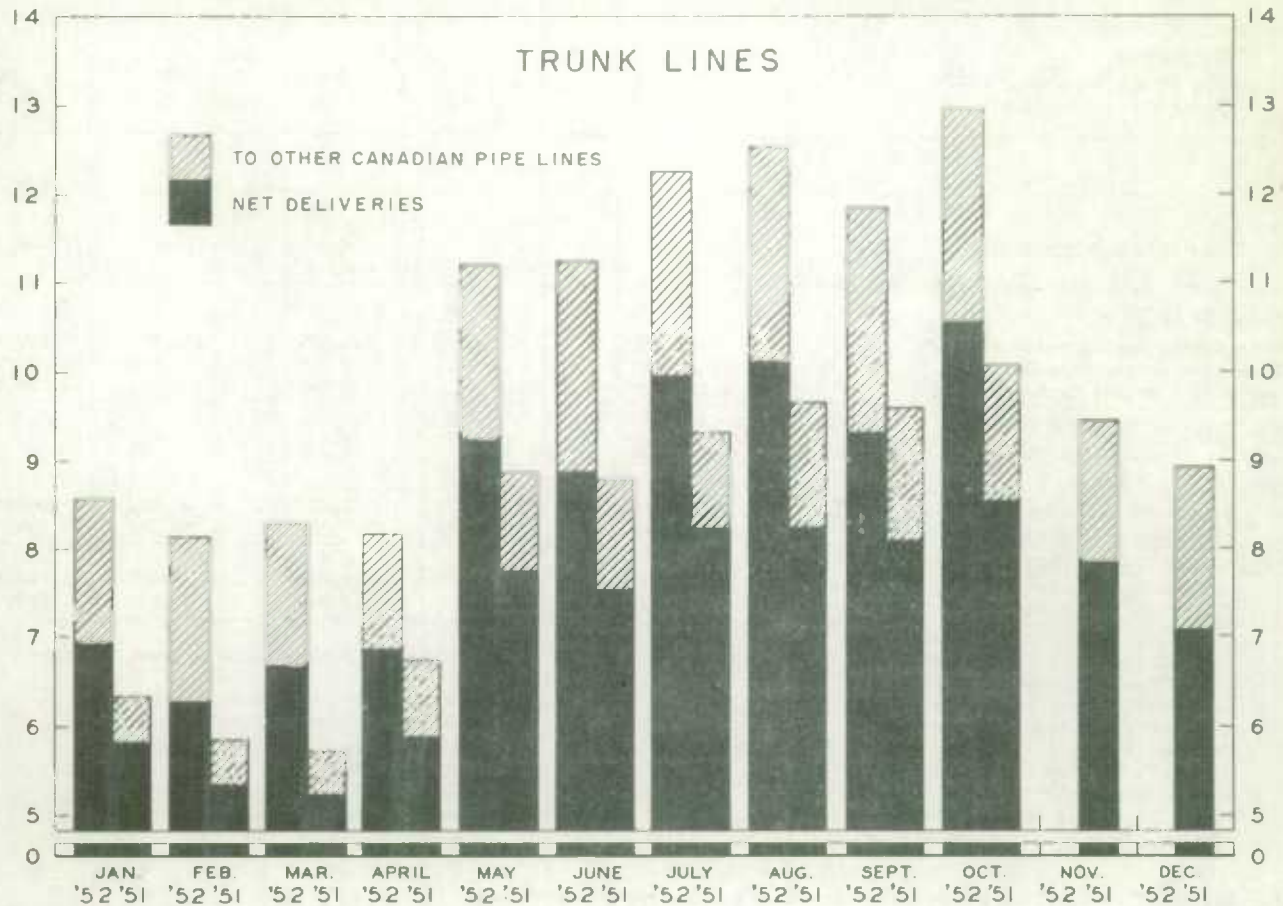
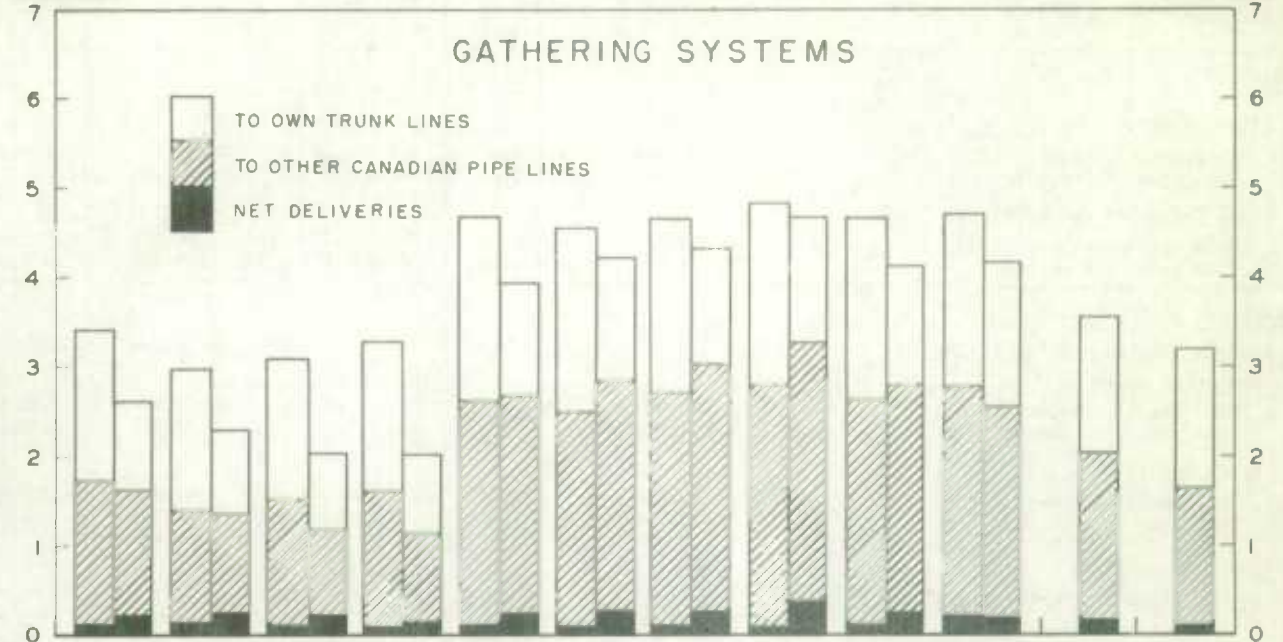
- (2) Includes 381,699 bbls. Products and 43,204 bbls. natural gasoline.  
 (3) " 1,354,175 " " 379,741 " " "  
 (4) " 323,829 " " 43,192 " " "  
 (5) " 1,240,650 " " 373,636 " " "



## MONTHLY OIL\* DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1951 AND 1952

MILLION  
BARRELS

MILLION  
BARRELS



\* CRUDE PLUS SOME NATURAL GASOLINE AND PRODUCTS.