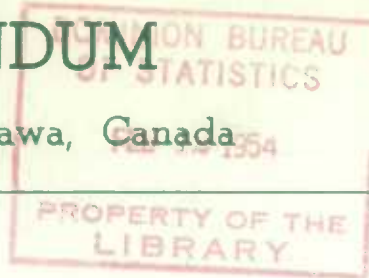


## D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada



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VOL. 2  
No. 7PIPE LINES (OIL) STATISTICS

8504-508

JULY, 1952

4-10-52

Net oil deliveries from Canadian pipe lines were up 6.6 p.c. from a daily 304,459 barrels in June to 324,548 each day in July. The increase over the July, 1951 average of 274,150 barrels per day was 18.4 p.c. This rise was accounted for partly by the greater number of pipe lines in operation and by greater deliveries from those which operated in July of both years.

In the month of July the ten million barrel mark of net deliveries was reached for the first time with an outflow of 10,060,973 barrels from Canadas' pipe line network. An increase of 10.2 p.c. over the revised June movement of 9,133,760 barrels and of 18.4 p.c. or 156,234 over the July, 1951 net deliveries of 8,498,635 barrels was registered during the month under review. Net trunk line deliveries for July rose 1,722,328 barrels above the July, 1951 total and 915,687 barrels over the June figure to reach 9,952,143 barrels. Gathering system deliveries rose 11,526 barrels over June but were 159,990 barrels lower than in July 1951. Net deliveries in all provinces were higher than those made one year earlier. Comparison of provincial totals in the two periods follows, with July, 1951 data in brackets: Alberta 1,408,492 barrels (1,303,218); Saskatchewan 1,093,332 (943,243); Manitoba 3,004,035 (2,353,577); Ontario 137,062 (nil\*) and Quebec 4,418,052 barrels (3,898,597). Included in the Manitoba totals are: transfers to Lakehead Pipe Line Co. 2,548,592 (1,992,757) and delivered within the province 455,443 barrels (360,820).

During July net receipts of oil for movement in the Canadian pipe lines included 5,417,294 barrels of Alberta crude, 4,408,373 of imported crude and 138,384 barrels of refinery products.

Net deliveries of 56,291,979 barrels in the first seven months of 1952 were up 8,845,218 barrels or 18.6 p.c. over the 47,446,761 delivered to the end of July last year. Provincial totals for the seven-month periods follow, with 1951 data in brackets: Alberta 8,545,037 (7,539,335); Saskatchewan 5,728,344 (5,540,227); Manitoba 14,270,150 (8,904,510); Ontario 609,131 (nil\*) and Quebec 27,139,317 (25,462,089). Manitoba totals included 10,823,287 (6,903,860) barrels transferred to the United States sector of the Interprovincial pipe line and destined principally for Ontario points via lake tanker.

Gathering systems handled an average 151,426 barrels per day during July, well above the 139,463 per day in the previous July. Movement by trunk lines climbed 93,433 barrels to a daily average of 394,291 compared with 300,858 barrels a year earlier. Trunk lines moved oil an average 267 miles and achieved a traffic total of 3,264 million barrel miles in the current July. In July, 1951 the average length of haul was 283.2 miles but total barrel miles were 613 million lower at 2,641 million. Seven month totals show that oil moved 16,417 million barrel miles to July 31, 1952 while to the same date last year the movement was only 11,771 million. Average distance oil moved was 227.4 miles in the seven month 1951 period and 240.4 in the first seven months of 1952.

A total of 683 employees earned \$238,443 in July while earnings of 563 workers the previous July were \$176,146. Wage earners worked 45,841 hours in July, 1952 and 33,803 hours in July, 1951.

Montreal Pipe Line again assumed the leadership in oil deliveries during the month here reviewed with deliveries of 4,418,052 barrels to make a total of 27,139,317 in the seven-month period. Imperial Pipe Line handled a daily 131,029 barrels in its gathering system in July and the Montreal company had trunk line traffic of 142,518 barrels per day compared with 137,529 barrels per day for Interprovincial Pipe Line. Interprovincial performed a total haul of 2,838,000,000 barrel miles in the month to bring its total for the year to 13,825,000,000 or nearly 85 p.c. of the grand total of 16,417,000,000.

- This report includes for the first time traffic moved in the lines of the Sarnia Products Pipe Line Division of Imperial Oil Ltd. The line operates entirely within the province of Ontario and is used to transport refinery products from the Company's refineries to company distributing centres. 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

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 seven months of 1952 per table 6 .....	82,496,847
Received into Trunk Lines from Other Canadian Pipe Lines .....	26,053,958
"Net Received" into Canadian Pipe Line Systems .....	56,442,889
"Net Received" into Trunk Systems per table 1 .....	29,958,587
"Net Received" into Gathering Systems per table 2 .....	26,484,302
Total Delivered out of Systems - all companies - during first seven months of 1952, per table 6 .....	82,347,034
Delivered to other Canadian Pipe Lines .....	26,055,055
"Net Delivered" from Canadian Pipe Line Systems .....	56,291,979
"Net Delivered" from Trunk Systems per table 1 .....	55,477,078
"Net Delivered" from Gathering Systems per table 2 .....	814,901

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 seven-month period covered by this report and are given herewith:

OIL BALANCE - ALL COMPANIES - JANUARY - JULY, 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 July 31, 1952 .....	26,484,302	
Received into Trunk Systems January 1 to July 31, 1952 .....	68,477,054	94,961,356
Total oil accountable for period .....		97,375,186
Delivered from Gathering Systems, January 1 to July 31, 1952 .....	26,507,718	
Delivered from Trunk Systems, January 1 to July 31, 1952 .....	68,303,825	94,811,543
Balance to be accounted for at July 31, 1952 .....		2,563,643
Oil consumed as fuel and losses .....		140,341
Balance on hand - July 31, 1952 .....		2,423,302
Total Shippers Balances - July 31, 1952 .....	2,138,894	
Total Carriers Balances - July 31, 1952 .....	284,408	

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. Crude Petroleum	Sun Pipe Line Co. Fuel and Other Refined Oil
	<u>Barrels</u>	<u>Barrels</u>
July, 1951 .....	653,581	62,794
June, 1952 .....	475,563	40,330
July, 1952 .....	516,282	45,086
Year to Date, 1952 (seven months) . .	5,354,607	369,065

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK †

	July 1952	June X 1952	July 1951	Year to Date 1952
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received</u> * (2+3+4+5)	12,112,151	11,666,676	9,232,730	68,477,054
Less: Received from other Canadian pipe lines-				
2. Own gathering system	1,982,233	2,067,280	1,310,278	12,464,509
3. Other pipe lines - Gathering	2,606,120	2,402,065	2,750,420	13,251,096
4. Trunk	2,274,209	2,428,814	1,093,247	12,802,862
5. <u>Net Received</u> (6+7+8)	5,249,589	4,767,517	4,078,785	29,958,587
6. Originating on own trunk lines	495,591	541,456	-	1,666,871
7. Received from foreign pipe line connections	4,408,373	4,049,763	3,894,885	27,226,296
8. Received from other carriers (rail & truck)	345,625	176,298	183,900	1,065,420
9. <u>Total Delivered</u> * (10+11)	12,223,033	11,466,099	9,326,624	68,303,825
10. Less: Delivered to other Canadian trunk lines	2,270,890	2,429,643	1,096,809	12,826,747
11. <u>Net Delivered</u> (12+13+14)	9,952,143	9,036,456	8,229,815	55,477,078
12. Terminated on own trunk lines	7,403,551	6,643,575	6,237,058	44,653,791
13. Delivered to foreign pipe line connections	2,548,592	2,392,881	1,992,757	10,823,287
14. Delivered to other carriers (rail & truck)	-	-	-	-

\* Includes duplications.

X Revised.

† Includes products and natural gasoline.

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING †

	July 1952	June 1952	July 1951	Year to date 1952
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received</u> (16+17)	4,714,462	4,508,795	4,311,258	26,484,302
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received</u> (18+19)	4,714,462	4,508,795	4,311,258	26,484,302
18. Originating on own gathering system	4,698,410	4,499,991	4,297,164	26,415,185
19. Received from other carriers (rail & truck)	16,052	8,804	14,094	69,117
20. <u>Total Delivered</u> * (21+22+23)	4,694,192	4,562,708	4,323,343	26,507,718
Less: Delivered to other pipe lines-				
21. Own trunk system	1,982,233	2,067,280	1,310,278	12,464,509
22. Other pipe lines	2,603,129	2,398,124	2,744,245	13,228,308
23. <u>Net Delivered</u> (24+25)	108,830	97,304	268,820	814,901
24. Terminated on gathering systems	52,507	44,116	27,712	251,909
25. Delivered to other carriers (rail & truck)	56,323	53,188	241,108	562,992

\* Includes duplications.

† Includes natural gasoline.

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

Province	July 1 9 5 2	June 1 9 5 2	July 1 9 5 1	Year to Date 1 9 5 2
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	4,714,462	4,508,795	4,311,258	26,484,302
Trunk	702,832	487,534	183,900	2,068,434
Ontario (2) - Trunk	138,384	230,220	-	663,857
Quebec (3) - Trunk	4,408,373	4,049,763	3,894,885	27,226,296
Net Received - Trunk	5,249,589	X 4,767,517	4,078,785	29,958,587
Total	9,964,051	X 9,276,312	8,390,043	56,442,889

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

Province	July 1 9 5 2	June 1 9 5 2	July 1 9 5 1	Year to Date 1 9 5 2
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	108,830	97,304	268,820	814,901
Trunk	1,299,662	1,059,694	1,034,398	7,730,136
Saskatchewan - Trunk	1,093,332	800,919	943,243	5,728,344
Manitoba / - Trunk	3,004,035	2,980,676	2,353,577	14,270,150
Ontario (2) - Trunk	137,062	227,301	-	609,131
Quebec - Trunk	4,418,052	3,967,866	3,898,597	27,139,317
Net Delivered - Trunk	9,952,143	X 9,036,456	8,229,815	55,477,078
Total	10,060,973	X 9,133,760	8,498,635	56,291,979
/ Including deliveries to U.S. pipe lines at Gretna, Man.	2,548,592	2,392,881	1,992,757	10,823,287

TABLE 5 OPERATING STATISTICS

	July 1 9 5 2	June 1 9 5 2	July 1 9 5 1	Year to Date 1 9 5 2	
Barrels Handled - Daily Average					
Gathering Systems	Barrels	151,426	152,090	139,463	124,449
Trunk Lines	"	394,291	X 382,203	300,858	320,675
Total Barrel Miles (Trunk Lines)	Millions	3,264	X 3,119	2,641	16,417
Average Miles per Barrel (Trunk Lines)	Miles	267.0	X 277.5	283.2	240.4
Employees and Earnings (6)					
Average Number (4)	No.	683	X 668	563	637
Total Salaries and Wages	\$	238,443	X 227,339	X 176,146	1,502,771
Man Hours Worked by Wage Earners (5) (6)	Hours	45,841	X 41,211	33,803	270,968

- (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.

X Revised.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

JULY, 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>					
<u>Barrels</u>					
<u>Total Received into System</u>					
This month (July, 1952)	4,415,790	4,194,394	4,408,373	(2) 1,825,823	14,844,380
This year (7 months )	23,190,681	21,602,876	27,226,295	(3)10,475,994	82,496,847
<u>Total Delivered out of System</u>					
This month (July, 1952)	4,407,538	4,263,389	4,418,052	(4) 1,846,013	14,934,992
This year (7 months )	23,224,563	21,594,554	27,139,317	(5)10,388,600	82,347,034
<b>OPERATING STATISTICS</b>					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (July, 1952)	131,029	-	-	20,397	151,426
This year (7 months )	104,034	-	-	20,415	124,449
<u>Trunk Lines</u>					
This month (July, 1952)	69,892	137,529	142,518	44,352	394,291
This year (7 months )	54,663	101,383	127,415	37,214	320,675
<u>Total Barrel Miles</u>					
<u>Miles</u>					
<u>(Trunk Lines - in millions)</u>					
This month (July, 1952)	39	2,838	325	62	3,264
This year (7 months )	206	13,835	1,999	377	16,417
<u>Average Miles Per Barrel</u>					
<u>(Trunk Lines)</u>					
This month (July, 1952)	17.7	666.0	73.6	45.0	267.0
This year (7 months )	17.7	641.0	73.7	47.5	240.3
<b>Revenue and Employees</b>					
<u>OPERATING REVENUES</u>					
<u>Dollars</u>					
Three Months ending March 31, 1952	651,976	2,308,982	381,109	X 386,539	X 3,728,605
Six Months ending June 30, 1952	1,549,965	5,944,947	785,908	X 800,468	X 9,081,288
<u>EMPLOYEES AND EARNINGS</u>					
<u>Number</u>					
Number of employees (July, 1952)	236	309	51	87	683
<u>Dollars</u>					
<u>Salaries and Wages</u>					
This month (July, 1952)	79,803	114,487	16,784	27,369	238,443
This year (7 months )	494,040	752,391	95,080	161,260	1,502,771
<u>Man Hours Worked by Wage Earners</u>					
<u>Hours</u>					
This month (July, 1952)	31,922	1,381	3,383	9,155	45,841
This year (7 months )	197,817	6,763	10,958	55,420	270,968

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

\*Totals include duplications between companies.

X Revised.

- (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.

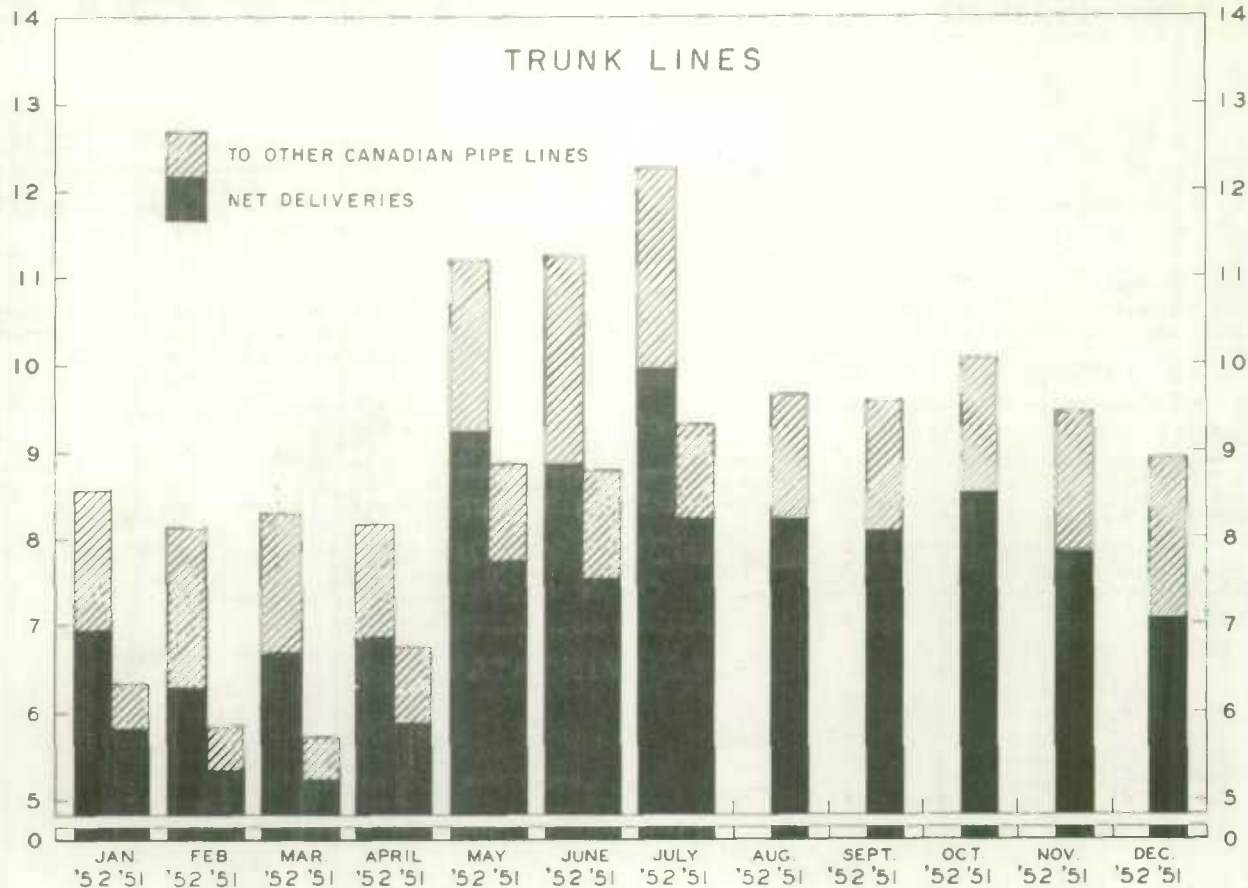
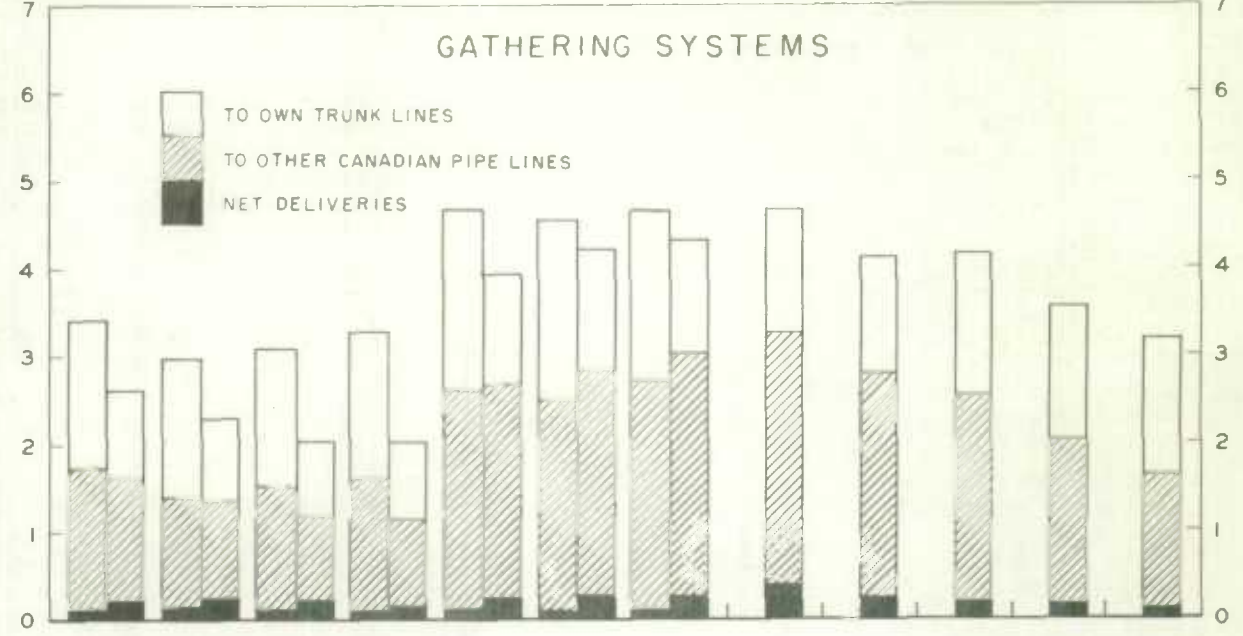
- (2) Includes 138,384 bbls. products and 35,352 bbls. natural gasoline
- (3) " 663,857 " " 270,372 " " "
- (4) " 137,062 " " 34,570 " " "
- (5) " 609,131 " " 264,964 " " "



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

MILLION  
BARRELS  
7

MILLION  
BARRELS  
7



\* CRUDE PLUS SOME NATURAL GASLINE AND PRODUCTS.