

D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada



c.1

VOL. 3
No. 6

PIPE LINES (OIL) STATISTICS

8504-508
19-1953

June, 1953

The June movement of oil through Canadian pipe lines stood at 432,139 barrels delivered daily. This new record was 8.4 p.c. or 33,460 barrels above the previous record of 398,679 barrels per day in May this year and is up 41.7 p.c. compared with the 305,009 barrels per day reported for June, 1952. New record deliveries in Saskatchewan, Manitoba and Quebec accounted for the large increase over the May movement of oil.

A net 12,964,162 barrels flowed out of the Canadian pipe lines during June and established a new record for deliveries in one month. This was 605,128 barrels higher than the revised May total of 12,359,034 and 3,813,906 barrels or 41.7 p.c. above the 9,150,256 moved in June, 1952. All provinces had increases over the net oil movement in June, 1952. Deliveries in the several provinces were (June, 1952, in brackets): Alberta 1,541,655 barrels (1,173,494); Saskatchewan 1,260,515 (800,919); Manitoba 3,464,339 (2,980,676); Ontario 1,944,093 (227,301) and Quebec 4,753,560 barrels (3,967,866). Included in the Manitoba totals were: via Lakehead Pipe Line Co. to Superior, Wisconsin and thence mainly for shipment to Ontario refineries by lake tanker 2,930,443 barrels (2,392,881) and delivered within the province 533,896 (587,795).

June net receipts of oil for shipment by pipe line in Canada included 6,180,655 barrels of Alberta crude, 33,725 of Alberta natural gasoline, 22,097 of Manitoba crude, 4,780,765 of imported crude and 1,944,387 barrels of refinery products. Most of the refinery products given pipeline movement, which were produced in Quebec and Ontario refineries from both domestic and foreign crudes were destined for consumption in Ontario.

Net deliveries of 68,455,253 barrels in the first half of 1953 were 22,178,929 barrels or 47.9 p.c. above the 46,276,324 delivered in the like period of 1952. Deliveries in each province during the six months were (1952 data in brackets): Alberta 7,867,189 barrels (7,181,863); Saskatchewan 6,863,021 (4,635,012); Manitoba 15,465,895 (11,266,115); Ontario 11,897,786 (4,72,069) and Quebec 26,361,362 barrels (22,721,265). The total for Manitoba included oil en route to Superior. This movement of 12,709,396 barrels was up 4,434,701 or 53.6 p.c. from the first half of 1952 when 8,274,695 barrels were transferred. Oil delivered to points within the province declined 7.9 p.c. from 2,991,420 barrels to 2,756,499 in a similar comparison.

Gathering systems handled a record daily average of 167,661 barrels in June, well above the 152,640 moved each day in June, 1952. Another record was established by trunk lines during June, 1953, with an average 473,588 barrels handled per diem as against 382,203 in June the previous year. Oil transport accomplished by trunk lines in June, 1953, totalled 4,230 million barrel miles against 3,133 million one year earlier. Six month totals to June 30th were: for 1953, 20,397 million barrel miles and for 1952, 13,152 million. The average length of haul in June, 1953, was 298 miles compared with 273 in the corresponding month of 1952.

Earnings of 917 employees reported for June were \$ 332,473 while the 920 employed in May this year received \$ 319,795. Some 672 persons had earnings of \$ 227,627 in June of 1952. June employment thus increased 36.5 p.c. and earnings 46.1 p.c. as compared with the same month of 1952.

The Montreal Pipe Line delivered 4,753,560 barrels during June to bring its first half year total to 26,361,362 barrels. Imperial Pipe Line reported a daily movement of 135,738 barrels in its gathering system in June and 112,090 barrels per day for the first six months of the year. A daily 158,452 barrels were handled by the Montreal line in June. Operating revenues of the Interprovincial Pipe Line Company for the half year were \$ 6,825,307 or 53 p.c. of the total \$ 12,805,250 for all companies. Comparison with earnings for the first half of 1952 shows Interprovincial up \$ 880,360 or 15 p.c.; Imperial Pipe Line Company up 7 p.c. from \$ 1,549,965 to \$ 1,665,224; Montreal Pipe Line Company improved 13 p.c. from \$ 785,908 to \$ 889,082 and earnings for all companies were up \$ 3,720,139 or 41 p.c.

* 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 inter-company transfers of oil. These differences are accounted for in the following table.

	<u>Barrels</u>
Total Received into Systems - all companies -	
during first six months of 1953, per table 6	96,120,442
Received into Trunk Lines from Other Canadian Pipe Lines	27,591,144
"Net Received" into Canadian Pipe Line Systems	68,529,298
"Net Received" into Trunk Systems per table 1	43,733,847
"Net Received" into Gathering Systems per table 2	24,795,451
 Total Delivered out of Systems - all companies -	
during first six months of 1953, per table 6	96,046,100
Delivered to other Canadian Pipe lines	27,590,847
"Net Delivered" from Canadian Pipe Line Systems	68,455,253
"Net Delivered" from Trunk Systems per table 1	63,442,517
"Net Delivered" from Gathering Systems per table 2	5,012,736

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

OIL BALANCE - ALL COMPANIES - JUNE, 1953

	<u>Barrels</u>	<u>Barrels</u>
Total Shippers Balances - January 1, 1953	2,999,353	
Total Carriers Balances - January 1, 1953	173,577	3,172,930
Received into Gathering Systems January 1 to June 30, 1953	24,795,451	
Received into Trunk Systems January 1 to June 30, 1953	73,932,305	98,727,756
Total oil accountable for period		101,900,686
 Delivered from Gathering Systems January 1 to June 30, 1953	24,758,659	
Delivered from Trunk Systems January 1 to June 30, 1953	73,894,755	98,653,414
Balance to be accounted for at June 30, 1953		3,247,272
Oil consumed as fuel and losses		123,264
Balance on hand - June 30, 1953		3,124,008
Total Shippers Balances - June 30, 1953	2,893,759	
Total Carriers Balances - June 30, 1953	230,249	

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
June, 1952	475,563	40,330
May, 1953	146,321	54,565
June, 1953	306,834	81,440
Year to Date 1953 (6 months)	4,683,734	336,516

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	JUNE 1 9 5 3	x MAY 1 9 5 3	x JUNE 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received</u> * (2+3+4+5)	14,216,836	13,315,717	11,665,676	73,932,305
Less: Received from other Canadian pipe lines -				
2. Own gathering system	620,982	623,168	2,067,280	2,607,314
3. Other pipe lines - Gathering	2,161,572	1,942,900	2,402,065	10,529,747
4. Trunk	3,494,817	3,238,666	2,428,814	17,061,397
5. <u>Net Received (6+7+8)</u>	7,939,465	7,610,983	4,767,517	43,733,847
6. Originating on own trunk lines	3,136,603	3,370,910	541,456	17,075,015
7. Received from foreign pipe line connections	4,780,765	4,210,833	4,049,763	26,458,428
8. Received from other carriers (rail & truck)	22,097	29,240	176,298	200,404
9. <u>Total Delivered</u> * (10+11)	14,207,643	13,428,444	11,466,099	73,894,755
10. Less: Delivered to other Canadian trunk lines	2,222,074	1,791,447	2,429,643	10,452,238
11. <u>Net Delivered (12+13+14)</u>	11,985,569	11,636,997	9,036,456	63,442,517
12. Terminated on own trunk lines	9,055,126	8,460,066	6,643,575	50,733,121
13. Delivered to foreign pipe line connections	2,930,443	3,176,931	2,392,881	12,709,396
14. Delivered to other carriers (rail & truck)	-	-	-	-

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	JUNE 1 9 5 3	MAY 1 9 5 3	x JUNE 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16*17)</u>	5,022,164	4,598,179	4,525,289	24,795,451
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	5,022,164	4,598,179	4,525,289	24,795,451
18. Originating on own gathering system	4,904,551	4,492,865	4,516,485	24,181,440
19. Received from other carriers (rail & truck)	117,613	105,314	8,804	614,011
20. <u>Total Delivered</u> * (21+22+23)	5,029,848	4,627,331	4,579,204	24,768,659
Less: Delivered to other pipe lines -				
21. Own Trunk system	620,982	623,168	2,067,280	2,607,314
22. Other pipe lines	3,430,273	3,382,126	2,398,124	17,138,609
23. <u>Net Delivered (24+25)</u>	978,593	722,037	113,800	5,012,736
24. Terminated on gathering systems	811,862	662,030	44,116	4,191,414
25. Delivered to other carriers (rail & truck)	166,731	60,007	69,684	821,322

- * Includes duplications.
- ⚡ Includes natural gasoline and products.
- ⚡ Includes natural gasoline.
- x Revised

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

Province	JUNE	MAY	x JUNE	YEAR TO DATE
	1953	1953	1952	1953
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	5,022,164	4,598,179	4,525,289	24,795,451
- Trunk	1,192,216	998,026	487,534	5,185,502
Manitoba - Trunk	22,097	29,240	-	200,404
Ontario (2) - Trunk	766,459	1,196,349	230,220	6,329,686
Quebec (3) - Trunk	5,958,693	5,387,368	4,049,763	32,018,255
Net Received - Trunk	7,939,465	7,610,983	4,767,517	43,733,847
Total	12,961,629	12,209,182	9,292,806	68,529,298

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

Province	JUNE	x MAY	x JUNE	YEAR TO DATE
	1953	1953	1952	1953
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	978,593	722,037	113,800	5,012,736
- Trunk	563,062	412,463	1,059,694	2,854,453
Saskatchewan - Trunk	1,260,515	1,235,124	800,919	6,863,021
Manitoba / - Trunk	3,464,339	3,446,968	2,980,676	15,465,895
Ontario (2) - Trunk	1,944,093	2,372,966	227,301	11,897,786
Quebec - Trunk	4,753,560	4,169,476	3,967,866	26,361,362
Net Delivered - Trunk	11,985,569	11,636,997	9,036,456	63,442,517
Total	12,964,162	12,359,034	9,150,256	68,455,253
/ Including deliveries to U.S. pipe lines at Gretna, Man.	2,930,443	3,176,931	2,392,881	12,709,396

TABLE 5 OPERATING STATISTICS

		JUNE	MAY	x JUNE	YEAR TO DATE
		1963	1953	1952	1953
Barrels Handled - Daily Average					
Gathering Systems	Barrels	167,661	149,269	152,640	136,788
Trunk Lines	"	473,588	433,176	382,203	408,258
Total Barrel Miles (Trunk Lines)	Millions	4,230	4,198	3,133	20,397
Average Miles per Barrel (Trunk Lines)	Miles	297.8	312.6	273.2	276.0
Employees and Earnings (6)					
Average Number (4)	No.	917	920	672	893
Total Salaries and Wages	\$	332,473	319,795	227,627	1,913,245
Man Hours Worked by Wage Earners (5) (6)	Hours	47,865	47,865	41,410	289,088

- (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.

x Revised

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES
JUNE, 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 β					
			<u>Barrels</u>		
<u>Total Received into System</u>					
This month (June, 1953)	4,086,753	4,703,810	4,780,788	(2) 5,046,690	18,618,018
This year (6 months)	20,302,436	22,446,293	26,458,428	(3) 26,913,285	96,120,442
<u>Total Delivered out of System</u>					
This month (June, 1953)	4,072,146	4,720,669	4,753,560	(4) 5,070,134	18,618,509
This year (6 months)	20,288,285	22,559,881	26,361,362	(5) 26,836,592	96,046,100
OPERATING STATISTICS					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (June, 1953)	135,758	-	-	31,923	167,681
This year (6 months)	112,090	-	-	24,698	136,788
<u>Trunk Lines</u>					
This month (June, 1953)	-	157,356	158,452	157,780	473,588
This year (6 months)	-	124,840	145,643	137,975	408,258
<u>Total Barrel Miles</u>			<u>Miles</u>		
<u>(Trunk Lines - in millions)</u>					
This month (June, 1953)	-	3,236	349	645	4,230
This year (6 months)	-	14,995	1,939	3,463	20,397
<u>Average Miles Per Barrel</u>					
<u>(Trunk Lines)</u>					
This month (June, 1953)	-	685.0	73.5	136.3	297.8
This year (6 months)	-	665.0	73.8	138.7	276.0
Revenues and Employees					
			<u>Dollars</u>		
<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
<u>EMPLOYEES AND EARNINGS</u>					
			<u>Number</u>		
Number of employees (June, 1953)	227	349	50	291	917
<u>Salaries and Wages</u>					
			<u>Dollars</u>		
This month (June, 1953)	76,702	154,003	16,974	105,794	332,473
This year (6 months)	435,529	747,020	86,539	644,157	1,913,245
<u>Man Hours Worked by Wage Earners</u>					
			<u>Hours</u>		
This month (June, 1953)	26,889	472	2,435	16,069	47,865
This year (6 months)	165,087	5,013	5,490	113,496	289,088

- (1) 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
 Texaco Exploration Company
 Trans-Northern Pipe Line Company
 Valley Pipe Line Company Limited
 Winnipeg Pipe Line Company Limited

β 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
 Texaco Exploration Company
 Trans-Northern Pipe Line Company
 Valley Pipe Line Company, Limited
 Winnipeg Pipe Line Company, Limited

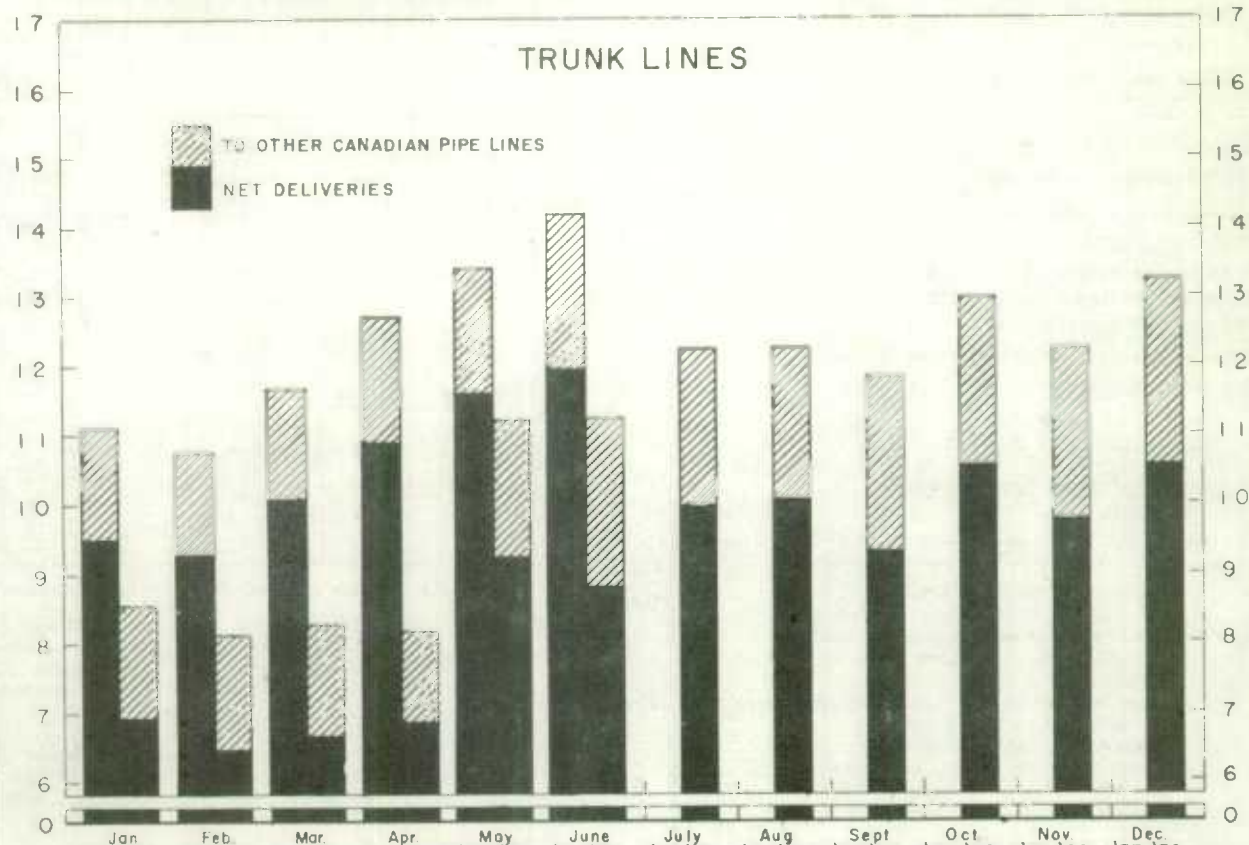
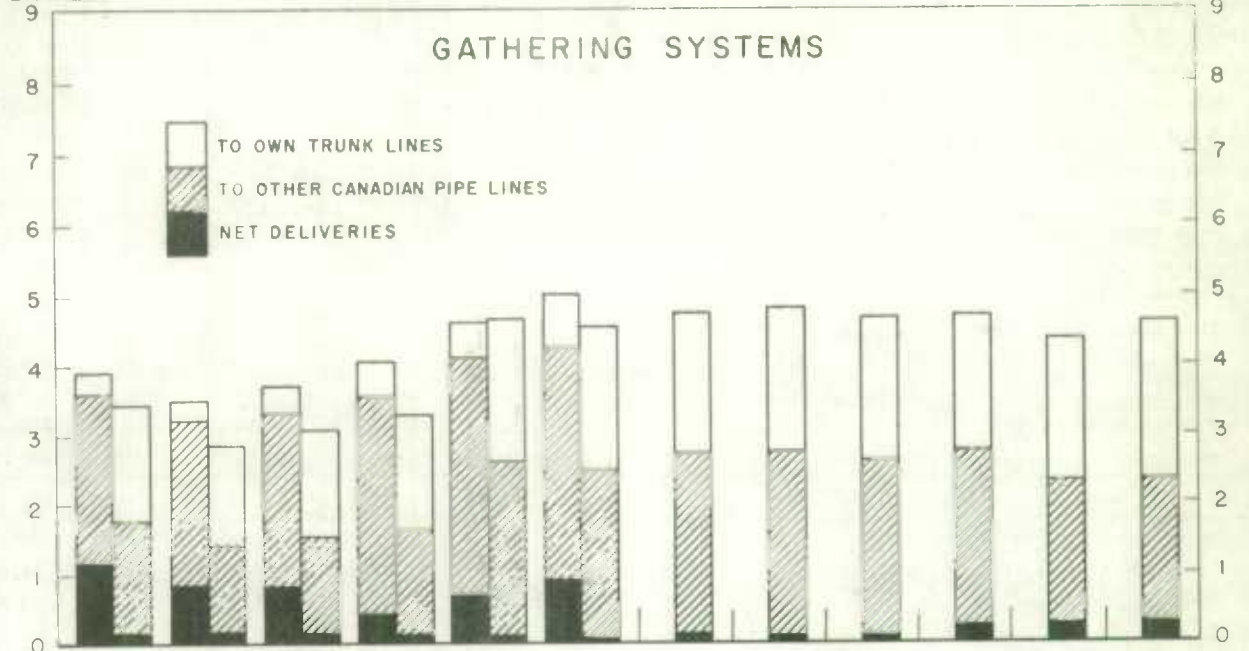
- (2) Includes 1,944,387 bbls. products and 33,725 bbls. natural gasoline
 (3) " 11,889,513 " " " 238,717 " " "
 (4) " 1,944,093 " " " 30,121 " " "
 (5) " 11,897,786 " " " 232,808 " " "



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.