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PIPE LINES (OIL) STATISTICS

Oil pipe lines in Canada recorded a net delivery in September of 14,676,681 barrels or an average of 489,223 barrels per day. This was an increase of 40,643 barrels daily or 9 p.c. over August deliveries and 22 p.c. over deliveries of September last year.

Net receipts for the month totalled 14,883,573 barrels, compared with 14,037,832 in August, up 6 p.c. Included in the net receipts for September were 7,925,333 barrels of Alberta crude, 43,594 of Alberta natural gasoline, 197,588 of Manitoba crude, 3,911,886 of imported crude and 2,805,172 barrels of refinery products.

For the nine months ended September 30, net deliveries amounted to 126,803,852 barrels compared with 107,060,699 for the same period last year, an increase of 18 p.c. Provincial totals for the period were as follows (1953 data in brackets): British Columbia 9,901,622 barrels (nil *); Alberta 12,552,132 (12,743,628); Saskatchewan 10,372,964 (10,439,842); Manitoba 31,080,959 (25,747,310); Ontario 23,742,746 (18,285,427); and Quebec 39,153,429 (39,844,492). Manitoba deliveries included 26,091,277 barrels (21,195,526) transferred to the Lakehead Pipe line Company at Gretna for transport through the United States, principally destined to refineries at Sarnia. Of the total oil delivered during the nine months under review, refinery products accounted for 23,905,312 barrels, 31 p.c. above the total of 18,285,427 recorded in the corresponding period of 1953.

Gathering systems handled an average of 216,076 barrels per day, up 18 p.c. over September last year. Trunk lines averaged 595,185 barrels per day, 7 p.c. above the August average of 555,639 and 30 p.c. over September, 1953. Barrel miles rose to a new high of 5,699 million compared with 5,589 million in August and 3,764 in September last year. The average haul dropped from 324.5 miles in August to 319.2, but was well above last year's figure of 274.3.

The number of employees was down from 1,210 in August to 1,198, but salaries and wages recorded an increase and average earnings for September amounted to \$3,948 compared with \$3,886 in August and 9 p.c. above the average of \$3,624 earned in September, 1953.

Revenues earned during the third quarter of 1954 amounted to \$10,789,786 compared with \$8,267,545 in 1953. For the nine months ended September 30 revenues totalled \$30,224,274 against \$21,072,795 in 1953, an increase of 43 p.c.

Revenue and employee data for the Sarnia Products Pipe Line Division 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 operation of the Anglo American Exploration Co. in Alberta, Anglo Canadian Oils Ltd. in Manitoba and employee data of the Amurex 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. Operating statistics of the Nisku Products Pipe Line Company, Limited, carrying natural gasoline from the compression refrigeration plant at Devon to refineries at Edmonton are included in this report. Employee data are not available for this line.

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

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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 first nine months of 1954, per table 6	193,782,059
Received into Trunk Lines from other Canadian Pipe Lines	66,726,282
"Net Received" into Canadian Pipe Line Systems	127,055,777
"Net Received" into Trunk Systems per table 1	76,139,243
"Net Received" into Gathering Systems per table 2	50,916,534
Total Delivered out of Systems - all companies -	
during first nine months of 1954, per table 6	193,756,877
Delivered to other Canadian Pipe Lines	66,953,025
"Net Delivered" from Canadian Pipe Line Systems	126,803,852
"Net Delivered" from Trunk Systems per table 1	119,564,116
"Net Delivered" from Gathering Systems per table 2	7,239,736

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 September and are given herewith:

OIL BALANCE - ALL COMPANIES - SEPTEMBER, 1954

	Barrels	
Total Shippers Balances - January 1, 1954	6,141,288	
Total Carriers Balances - January 1, 1954	787,070	6,928,358
Received into Gathering Systems January 1 to September 30, 1954	50,916,534	
Received into Trunk Systems January 1 to September 30, 1954	152,160,799	203,077,333
Total oil accountable for Period		210,005,691
Delivered from Gathering Systems January 1 to September 30, 1954	50,946,412	
Delivered from Trunk Systems January 1 to September 30, 1954	152,105,739	203,052,151
Balance to be accounted for at September 30, 1954		6,953,540
Oil consumed as fuel and losses		268,183
Balance on hand - September 30, 1954		6,685,357
Total Shippers Balances - September 30, 1954	(1) 6,273,724	
Total Carriers Balances - September 30, 1954	411,633	

With the completion of Interprovincial's extension to Sarnia, the Transit and Storage Company's line from Cygnet, Ohio, to Sarnia was no longer needed and this line was sold to the Buckeye Pipe Line Company in November, 1953. This company ceased making deliveries to Canada in January, 1954, leaving only two lines operating across the St. Clair river from the United States at Sarnia. The limited nature of their domestic operations and the shortness of these 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 these pipe lines follows:

Month	Interprovincial Pipe Line Company Crude Oil	The Buckeye Pipe Line Company Crude Oil	Sun Pipe Line Company Crude and Refined Oil
	Barrels	Barrels	Barrels
September, 1953	-	-	190,685
August, 1954	2,364,401	-	492,277
September, 1954	2,157,306	-	348,163

(1) Includes ^{287,148}~~450,475~~ barrels loaned to Trans Mountain Oil Pipe Line Company for pipe line fill.

TABLE 1

OIL^f CARRIED BY PIPE LINES - TRUNK

	September 1954	August 1954	September 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	18,068,270	17,388,292	15,266,540	152,160,799
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	1,273,683	1,141,741	596,482	9,295,274
3. Other pipe lines - Gathering	2,811,586	2,915,278	2,123,187	20,479,052
4. Trunk	5,579,867	5,879,640	4,490,431	46,247,230
5. <u>Net Received (6+7+8)</u>	8,403,134	7,451,633	8,056,440	76,139,243
6. Originating on own trunk lines	4,491,248	4,142,816	3,743,506	36,629,876
7. Received from foreign pipe line connections	3,911,886	3,308,817	4,257,008	39,142,928
8. Received from other carriers (rail & truck)	-	-	55,926	366,439
9. <u>Total Delivered * (10+11)</u>	17,855,569	17,224,823	13,723,450	152,105,739
10. Less: Delivered to other Canadian trunk lines	3,947,505	4,342,650	2,897,712	32,541,623
11. <u>Net Delivered (12+13+14)</u>	13,908,064	12,882,173	10,825,738	119,564,116
12. Terminated on own trunk lines	10,624,649	9,491,758	8,458,716	93,458,359
13. Delivered to foreign pipe line connections	3,281,807	3,389,808	2,367,022	26,091,277
14. Delivered to other carriers (rail & truck)	1,608	607	-	14,481

TABLE 2

OIL^f CARRIED BY PIPE LINES - GATHERING

	September 1954	August 1954	September 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	6,480,439	6,586,199	5,549,798	50,916,534
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	6,480,439	6,586,199	5,549,798	50,916,534
18. Originating on own gathering system	6,182,343	6,344,274	5,410,735	48,514,466
19. Received from other carriers (rail & truck)	298,096	241,925	139,063	2,402,068
20. <u>Total Delivered * (21+22+23)</u>	6,482,287	6,617,285	5,505,993	50,946,412
Less: Delivered to other pipe lines -				
21. Own Trunk system	1,273,683	1,141,741	596,482	9,295,274
22. Other pipe lines	4,439,987	4,451,739	3,719,352	34,411,402
23. <u>Net Delivered (24+25)</u>	768,617	1,023,805	1,190,159	7,239,736
24. Terminated on gathering systems	698,489	936,595	899,066	6,636,549
25. Delivered to other carriers (rail & truck)	70,128	87,210	291,093	603,187

- ^f Includes natural gasoline and products.
 * Includes duplications.
^b Includes natural gasoline.

TABLE 3

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

Province		September 1954	August 1954	September 1953	YEAR TO DATE 1954
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	6,282,851	6,373,585	5,549,798	49,616,251
"	- Trunk	1,709,543	1,726,157	1,746,941	12,914,161
Saskatchewan	- Trunk	-	-	-	1,947
Manitoba	- Trunk	-	-	55,926	344,889
"	- Gathering	197,588	212,614	-	1,300,283
Ontario (2)	- Trunk	1,633,340	1,391,182	926,812	13,818,264
Quebec (3)	- Trunk	5,060,251	4,334,294	5,326,761	49,059,982
Net Received	- Gathering	6,480,439	6,586,199	5,549,798	50,916,534
"	- Trunk	8,403,134	7,451,633	8,056,440	76,139,243
"	- Total	14,883,573	14,037,832	13,606,238	127,055,777

TABLE 4

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

Province		September 1954	August 1954	September 1953	YEAR TO DATE 1954
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	1,373,888	1,298,190	-	9,901,622
Alberta (1)	- Gathering	768,617	1,023,805	1,190,159	7,239,736
"	- Trunk	656,550	612,029	542,785	5,312,396
Saskatchewan	- Trunk	1,375,460	1,210,198	1,189,179	10,372,964
Manitoba	- Trunk	3,869,820	4,002,410	2,907,790	31,080,959
Ontario (2)	- Trunk	2,781,847	2,415,405	1,991,512	23,742,746
Quebec	- Trunk	3,850,499	3,343,941	4,194,472	39,153,429
Net Delivered	- Trunk	13,908,064	12,882,173	10,825,738	119,564,116
"	- Total	14,676,681	13,905,978	12,015,897	126,803,852
Including deliveries to U.S. pipe lines at Gretna, Man.		3,281,807	3,389,808	2,367,022	26,091,277

TABLE 5

OPERATING STATISTICS

		September 1954	August 1954	September 1953	YEAR TO DATE 1954
Barrels Handled - Daily Average					
Gathering Systems	Barrels	216,076	213,461	183,533	186,616
Trunk Lines	"	595,185	555,639	457,448	557,163
Total Barrel Miles (Trunk Lines)	Millions	5,699	5,589	3,764	45,639
Average Miles Per Barrel (Trunk Lines)	Miles	319.2	324.5	274.3	300.0
Employees and Earnings (6)					
Average Number (4)	No.	1,198	1,210	932	1,165
Total Salaries and Wages	\$	473,031	470,197	337,723	4,087,573
Man-Hours Worked by Wage Earners (5) (6)	Hours	51,886	53,912	49,273	464,004

(1) Includes natural gasoline.

(2) Products of refineries.

(3) Includes some products.

(4) Includes salaried employees.

(5) Includes overtime.

(6) Excludes Amurex Oil Development Company, Anglo American Exploration Company, Ltd., Anglo-Canadian Oils, Ltd., and Sarnia Products Line.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

September, 1954

Traffic and Operating Statistics	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Trans Mountain Oil Pipe Line Company	Other Pipe lines (1)	Total
TRAFFIC*			<u>Barrels</u>			
<u>Total Received into System</u>						
This month (September, 1954)	4,482,010	6,263,858	3,911,886	1,090,348	(2)7,526,924	23,275,026
This year (9 Months)	36,239,380	48,837,521	39,142,928	9,378,454	(3)60,183,776	193,782,059
<u>Total Delivered out of System</u>						
This month (September, 1954)	4,468,655	5,835,068	3,850,499	1,373,888	(4)7,536,063	23,064,173
This year (9 Months)	36,241,336	48,311,041	39,153,429	9,901,725	(5)60,149,346	193,756,877
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (September, 1954)	148,955	-	-	-	67,121	216,076
This year (9 Months)	132,752	-	-	-	53,864	186,616
<u>Trunk Lines</u>						
This month (September, 1954)	-	194,502	128,349	45,796	226,538	595,185
This year (9 Months)	-	176,964	143,419	36,270	200,510	557,163
<u>Total Barrel Miles</u>			<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>						
This month (September, 1954)	-	3,504	281	969	945	5,699
This year (9 Months)	-	27,997	2,872	7,009	7,491	45,369
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (September, 1954)	-	601.0	73.1	708.0	139.0	319.2
This year (9 Months)	-	580.0	73.3	708.0	141.7	300.0
OPERATING REVENUES			<u>Dollars</u>			
Three Months ending March 31, 1954	930,894	4,200,082	474,043	1,563,475	(6)2,570,495	9,738,989
Six Months ending June 30, 1954	1,837,764	8,572,413	930,621	2,954,144	(6)5,139,546	19,434,488
Nine Months ending Sept. 30, 1954	2,933,237	13,045,971	1,312,147	4,745,563	8,187,356	30,224,274
Twelve Months ending Dec. 31, 1954						
EMPLOYEES AND EARNINGS			<u>Number</u>			
Number of Employees (September, 1954)	212	431	54	167	(7) 334	1,198
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month (September, 1954)	75,486	177,428	22,152	80,292	(7) 117,673	473,031
This year (9 Months)	674,441	1,491,052	162,467	716,332	(7)1,043,281	4,087,573
<u>Man-Hours Worked by Wage Earners</u>			<u>Hours</u>			
This month (September, 1954)	26,273	918	3,133	2,382	(7) 9,180	51,886
This year (9 Months)	233,745	12,091	13,803	19,715	(7) 184,650	464,004

* Totals include duplication between companies.

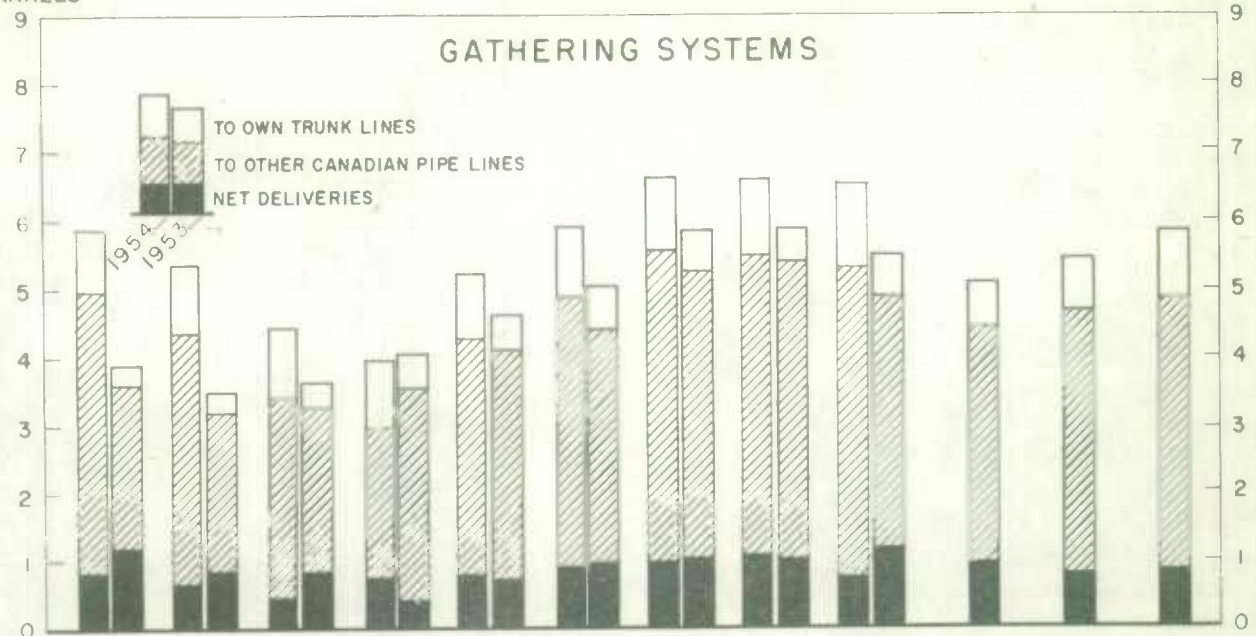
- (1) Includes Amurex Oil Development Company; Anglo American Exploration Company; Anglo Canadian Oils, Limited; B.A. Alberta Pipe Line, Limited; B.A. Saskatchewan Pipe Line, Limited; Canadian Gulf Pipe Line Company; Edmonton Pipe Line Co. Limited; Imperial Oil - Sarnia Products Pipe Line Division; Nisku Products Pipe Line Company, Limited; Trans-Prairie Pipelines Ltd., formerly Northern Development Company, Limited; Saskatoon Pipe Line Company; Sun Canadian Pipe Line Company, Limited; Texaco Exploration Company; Trans-Northern Pipe Line Company; Valley Pipe Line Company, Limited, and Winnipeg Pipe Line Company, Limited.
- (2) Includes 2,805,172 bbls. products and 43,594 bbls. natural gasoline.
- (3) Includes 23,899,392 bbls. products and 392,906 bbls. natural gasoline.
- (4) Includes 2,857,760 bbls. products and 45,351 bbls. natural gasoline.
- (5) Includes 23,905,312 bbls. products and 390,195 bbls. natural gasoline.
- (6) Includes Amurex Oil Development Company.
- (7) Excludes Amurex Oil Development Company, Anglo American Exploration Company, Anglo-Canadian Oils, Limited, Imperial Oil - Sarnia Products Pipe Line Division, and Nisku Products Pipe Line Company, Limited.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1953 AND 1954

MILLION
BARRELS

MILLION
BARRELS

GATHERING SYSTEMS



TRUNK LINES

