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PIPE LINES (OIL) STATISTICS

Oil delivered from Canadian pipe lines during October averaged 478,216 barrels per day compared with a daily average of 489,223 barrels in September and 416,939 in October last year, an increase of 14.6 p.c. over the 1953 figure.

Net receipts totalled 15,529,476 barrels, up 4 p.c. from September's receipts of 14,883,573 and 21 p.c. above October, 1953. Included in the October receipts were 7,530,532 barrels of Alberta crude, 51,799 of Alberta natural gasoline, 236,834 of Manitoba crude, 5,024,655 of imported crude and 2,685,656 barrels of refinery products.

Net deliveries of oil for the month of October amounted to 14,324,697 barrels as against 12,925,109 barrels in the corresponding month last year. For the ten months ended October 31, net deliveries amounted to 141,628,549 barrels compared with 119,935,808 in the same period last year, an increase of 18 p.c. Provincial totals for the ten-month period were as follows (1953 data in brackets): British Columbia, 11,158,737 barrels (267,064*); Alberta, 13,597,923 (14,110,827); Saskatchewan, 11,735,616 (11,813,177); Manitoba, 34,576,115 (29,416,491); Ontario, 26,390,231 (20,223,614) and Quebec 44,169,927 (44,154,635). The British Columbia figure includes for the first time an export item of 281,657 barrels of crude destined to a refinery at Ferndale, Washington. Manitoba deliveries include 28,927,990 barrels (24,328,792) transferred to the Lakehead Pipe Line Company for transport through the United States. The bulk of this oil returns to Canada at Sarnia.

During October gathering systems handled an average of 200,757 barrels per day as against 216,076 barrels in September and 164,546 in October, 1953. Trunk lines averaged 598,494 barrels per day compared with 595,185 in September and 476,776 in October, 1953, an increase of 26 p.c. over the previous year. Barrel miles at 5,327 million were down from the previous month by 7 p.c. but 17 p.c. above last year. The average haul dropped from 319.2 in September to 287.1.

Employment fell off during October with 1,131 employees earning \$461,547 compared with 1,198 employees earning \$473,031 in the previous month. The average wage for the month at \$391 was below September's average of \$395 but 7 p.c. above the average of \$365 earned in October, 1953.

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 ten months of 1954, per table 6	218,138,731
Received into Trunk Lines from other Canadian Pipe Lines	75,553,478
"Net Received" into Canadian Pipe Line Systems	142,585,253
"Net Received" into Trunk Systems per table 1	85,400,241
"Net Received" into Gathering Systems per table 2	57,185,012
Total Delivered out of Systems - all companies -	
during first ten months of 1954, per table 6	217,308,129
Delivered to other Canadian Pipe Lines	75,753,576
"Net Delivered" from Canadian Pipe Line Systems	141,528,549
"Net Delivered" from Trunk Systems per table 1	133,893,300
"Net Delivered" from Gathering Systems per table 2	7,730,249

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 October and are given herewith:

OIL BALANCE - ALL COMPANIES - OCTOBER, 1954.

	Barrels	
Total Shippers Balances - January 1, 1954	6,141,238	
Total Carriers Balances - January 1, 1954	787,070	6,928,358
Received into Gathering Systems January 1 to October 31, 1954	57,185,012	
Received into Trunk Systems January 1 to October 31, 1954	171,400,552	228,585,564
Total oil accountable for Period		235,513,922
Delivered from Gathering Systems January 1 to October 31, 1954	57,169,884	
Delivered from Trunk Systems January 1 to October 31, 1954	170,659,074	227,828,958
Balance to be accounted for at October 31, 1954		7,684,964
Oil consumed as fuel and losses		285,227
Balance on hand - October 31, 1954		7,399,737
Total Shippers Balances - October 31, 1954	(1) 7,039,700	
Total Carriers Balances - October 31, 1954	360,037	

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
October, 1953	-	413,345	43,713
September, 1954	2,157,306	-	348,163
October, 1954	2,919,363	-	506,417

(1) Includes 118,476 barrels loaned to Trans-Mountain Oil Pipe Line Company for pipe line fill.

TABLE 1

OIL¹ CARRIED BY PIPE LINES - TRUNK

	OCTOBER 1954	SEPTEMBER 1954	OCTOBER 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	19,239,753	18,068,270	14,517,671	171,400,552
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	1,151,559	1,273,683	651,265	10,446,333
3. Other pipe lines - Gathering	2,587,282	2,311,536	2,246,399	23,066,334
4. Trunk	6,239,914	5,579,367	3,398,437	52,487,144
5. <u>Net Received (6+7+8)</u>	9,260,998	8,403,134	7,721,570	85,400,241
6. Originating on own trunk lines	4,236,343	4,491,248	3,426,045	40,866,219
7. Received from foreign pipe line connections	5,024,655	3,911,836	4,217,934	44,167,583
8. Received from other carriers (rail & truck)	-	-	77,591	366,439
9. <u>Total Delivered * (10+11)</u>	18,553,335	17,355,569	14,780,372	170,659,074
10. Less: Delivered to other Canadian trunk lines	4,219,151	3,947,505	2,833,607	36,760,774
11. <u>Net Delivered (12+13+14)</u>	14,334,184	13,208,064	11,941,465	133,898,300
12. Terminated on own trunk lines	11,214,346	10,524,549	8,308,199	104,672,704
13. Delivered to foreign pipe line connections	3,118,370	3,281,307	3,133,266	29,209,547
14. Delivered to other carriers (rail & truck)	1,468	1,608	-	15,949

TABLE 2

OIL¹ CARRIED BY PIPE LINES - GATHERING

	OCTOBER 1954	SEPTEMBER 1954	OCTOBER 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	6,268,478	6,480,439	5,107,349	57,160,012
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	6,268,478	6,480,439	5,107,349	57,160,012
18. Originating on own gathering system	5,867,526	6,182,343	5,000,736	54,382,092
19. Received from other carriers (rail & truck)	400,952	298,096	107,063	2,802,920
20. <u>Total Delivered * (21+22+23)</u>	6,223,472	6,432,287	5,100,945	57,169,884
Less: Delivered to other pipe lines -				
21. Own Trunk system	1,151,559	1,273,683	651,265	10,446,333
22. Other pipe lines	4,581,400	4,439,937	3,466,036	33,992,802
23. <u>Net Delivered (24+25)</u>	490,513	768,617	983,644	7,730,249
24. Terminated on gathering systems	405,707	693,489	339,727	7,042,256
25. Delivered to other carriers (rail & truck)	34,806	70,128	143,917	687,993

- ¹ Includes natural gasoline and products.
² Includes duplications.
³ Includes natural gasoline.

TABLE 3

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

Province		OCTOBER 1954	SEPTEMBER 1954	OCTOBER 1953	YEAR TO DATE 1954
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	6,031,644	6,202,851	5,107,349	55,647,395
"	- Trunk	1,585,139	1,709,543	1,423,239	14,499,300
Saskatchewan	- Trunk	-	-	-	1,947
Manitoba	- Trunk	-	-	77,591	344,389
"	- Gathering	236,834	197,538	-	1,537,117
Ontario (2)	- Trunk	1,600,390	1,633,340	1,137,324	15,419,154
Quebec (3)	- Trunk	6,074,969	5,060,251	5,083,416	55,134,251
Net Received	- Gathering	6,268,478	6,430,439	5,107,349	57,185,012
"	- Trunk	9,260,998	3,403,134	7,721,570	35,400,241
"	- Total	15,529,476	14,833,573	12,829,419	142,585,253

TABLE 4

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

Province		OCTOBER 1954	SEPTEMBER 1954	OCTOBER 1953	YEAR TO DATE 1954
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	1,257,115	1,373,883	267,064	11,158,737
Alberta (1)	- Gathering	490,513	768,617	983,644	7,730,249
"	- Trunk	555,278	656,550	383,555	5,867,674
Saskatchewan	- Trunk	1,362,652	1,375,460	1,373,335	11,735,616
Manitoba	- Trunk	3,495,156	3,369,320	3,669,181	34,576,115
Ontario (2)	- Trunk	2,647,485	2,781,847	1,938,187	26,390,331
Quebec	- Trunk	5,015,498	3,850,490	4,310,143	44,169,327
Net Delivered	- Trunk	14,334,184	13,908,064	11,941,465	133,393,300
"	- Total	14,324,697	14,676,681	12,925,109	141,628,549
Including exports to U.S.A. at Burn, B.C.		281,657	-	-	281,657
Including deliveries to U.S. pipe lines, Grétna, Man.		2,836,713	3,281,307	3,133,266	28,927,990

TABLE 5

OPERATING STATISTICS

		OCTOBER 1954	SEPTEMBER 1954	OCTOBER 1953	YEAR TO DATE 1954
Barrels Handled - Daily Average					
Gathering Systems	Barrels	200,757	216,076	164,546	188,059
Trunk Lines	"	598,494	595,185	476,776	561,373
Total Barrel Miles (Trunk Lines)	Millions	5,327	5,699	4,559	50,965
Average Miles Per Barrel (Trunk Lines)	Miles	287.1	319.2	308.4	293.6
Employees and Earnings (6)					
Average Number (4)	No.	1,131	1,198	1,057	1,315
Total Salaries and Wages	\$	461,547	473,031	385,629	4,549,120
Man-Hours Worked by Wage Earners (5) (6)	Hours	51,123	51,886	45,639	515,127

- (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

October, 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 (October, 1954)	4,340,046	6,533,353	5,024,655	1,203,270	(2) 7,250,348	24,356,672
This year (10 months)	40,579,426	55,375,874	44,167,583	10,581,724	(3) 67,434,124	218,138,731
<u>Total Delivered out of System</u>						
This month (October, 1954)	4,320,332	5,802,667	5,016,498	1,257,115	(4) 7,228,636	23,625,248
This year (10 months)	40,561,668	54,113,708	44,169,927	11,153,340	(5) 67,377,982	217,382,125
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (October, 1954)	139,366	-	-	-	61,391	200,757
This year (10 months)	133,427	-	-	-	54,632	188,059
<u>Trunk Lines</u>						
This month (October, 1954)	-	187,183	161,323	40,552	208,936	598,494
This year (10 months)	-	178,006	145,296	36,707	201,369	561,378
<u>Total Barrel Miles</u>			<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>						
This month (October, 1954)	-	3,184	369	871	903	5,327
This year (10 months)	-	31,181	3,241	7,380	8,664	50,966
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (October, 1954)	-	549.0	73.6	693.0	139.4	287.1
This year (10 months)	-	576.0	73.4	706.0	141.5	298.6
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 (October, 1954)	208	419	53	161	(7) 340	1,181
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month (October, 1954)	76,478	170,711	21,383	75,758	(7) 117,217	461,547
This year (10 months)	750,919	1,661,763	183,850	792,080	(7) 1,160,508	4,549,120
<u>Man-Hours Worked by Wage Earners</u>			<u>Hours</u>			
This month (October, 1954)	26,621	619	1,232	1,881	(7) 20,770	51,123
This year (10 months)	260,366	12,710	15,035	21,596	(7) 205,420	515,127

* 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 Pipe Lines Ltd., formerly Northern Development Company, Limited; Saskatoon Pipe Line Company; Sun Canadian Pipe Line Company, Limited; Texaco Exploration Company; Trans-Northorn Pipe Line Company; Valley Pipe Line Company, Limited, and Winnipeg Pipe Line Company, Limited.
- (2) Includes 2,685,656 bbls. products and 51,799 bbls. natural gasoline.
- (3) Includes 26,585,048 bbls. products and 44,705 bbls. natural gasoline.
- (4) Includes 2,680,366 bbls. products and 49,254 bbls. natural gasoline.
- (5) Includes 26,585,678 bbls. products and 439,449 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.



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MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1953 AND 1954

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