

# DOMINION BUREAU OF STATISTICS

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Memorandum

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## PIPE LINES (OIL) STATISTICS

August deliveries from Canadian pipe lines averaged 448,580 barrels per day, 5 p.c. below the July average of 474,974 barrels but almost 7 p.c. above August 1953. Deliveries from gathering systems were up by 61,182 barrels, from 962,623 barrels in July to 1,023,805 in August, whereas trunk deliveries fell off from 13,761,581 barrels in July to 12,882,173.

Net deliveries from all lines for the eight months, January-August, amounted to 112,127,171 barrels compared with 95,044,802 in the same period of 1953. Deliveries to the end of August by provinces were as follows (1953 data in brackets): British Columbia, 8,527,734 barrels (nil\*); Alberta, 11,126,965 (11,010,684); Saskatchewan, 8,997,504 (9,250,663); Manitoba, 27,211,139 (22,839,520); Ontario, 20,960,899 (16,293,915), and Quebec, 35,302,930 (35,650,020). Manitoba deliveries included 22,809,470 barrels (18,828,504) delivered to the Lakehead Pipe Line Company at Gretna and 4,401,669 (4,011,016) delivered within the province. Almost 95 p.c. of the oil which crosses the border at Gretna is destined to Canadian refineries and re-enters Canada at Sarnia.

Net receipts for the month of August totalled 14,037,332 barrels and included 8,032,765 of Alberta crude and 41,218 of Alberta natural gasoline, 212,614 barrels of Manitoba crude, 3,308,817 of imported crude and 2,442,418 barrels of refinery products.

Gathering systems handled an average of 213,461 barrels per day in August against 213,589 in July and 189,569 barrels in August last year, up 13 p.c. over the previous year. Trunk lines handled an average of 555,639 barrels per day, 20,987 barrels below July, but 71,570 barrels or 15 p.c. above August last year. Barrel miles dropped to 5,588 million from 5,621 in July, but were 30 p.c. above the 1953 figure of 4,293 million. The average haul during August recorded a slight increase at 324.5 miles, compared with 314.4 in July and 286.1 miles in August, 1953.

Employment reached a new high in August with 1,210 employees earning \$470,197, as against 940 employees earning \$343,705 in the same month last year, the average wage being up by 6 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 eight months of 1954, per table 6 .....	170,507,033
Received into Trunk Lines from other Canadian Pipe Lines .....	58,334,829
"Net Received" into Canadian Pipe Line Systems .....	112,172,204
"Net Received" into Trunk Systems per table 1 .....	67,736,109
"Net Received" into Gathering Systems per table 2 .....	44,436,095
 Total Delivered out of Systems - all companies -	
during first eight months of 1954, per table 6 .....	170,692,704
Delivered to other Canadian Pipe Lines .....	58,565,533
"Net Delivered" from Canadian Pipe Line Systems .....	112,127,171
"Net Delivered" from Trunk Systems per table 1 .....	105,656,052
"Net Delivered" from Gathering Systems per table 2 .....	6,471,119

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 August and are given herewith:

OIL BALANCE - ALL COMPANIES - AUGUST, 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 August 31, 1954 .....	44,436,095
Received into Trunk Systems January 1 to August 31, 1954 .....	134,092,529      178,528,624
Total oil accountable for Period .....	185,456,982
Delivered from Gathering Systems January 1 to August 31, 1954 .....	44,464,125
Delivered from Trunk Systems January 1 to August 31, 1954 .....	134,250,170      178,714,295
Balance to be accounted for at August 31, 1954 .....	6,742,687
Oil consumed as fuel and losses .....	221,485
Balance on hand - August 31, 1954 .....	6,521,202
Total Shippers Balances - August 31, 1954 .....	(1) 5,945,039
Total Carriers Balances - August 31, 1954 .....	576,163

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
August, 1953	-	-	138,854
July, 1954	2,903,736	-	506,207
August, 1954	2,364,401	-	492,277

(1) Includes 650,475 barrels loaned to Trans Mountain Oil Pipe Line Company for pipe line fill.

TABLE 1

OIL<sup>a</sup> CARRIED BY PIPE LINES - TRUNK

	AUGUST 1954	JULY 1954	AUGUST 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
1. Total Received * (2+3+4+5)				
Less: Received from other Canadian pipe lines -	17,388,292	18,273,588	16,065,841	134,092,529
2. Own Gathering System	1,141,741	1,039,999	487,128	8,021,591
3. Other pipe lines - Gathering	2,915,278	2,935,310	2,592,191	17,667,466
4. Trunk	5,879,640	5,792,631	4,786,881	40,667,363
5. Net Received (6+7+8)	7,451,633	8,505,648	8,199,641	67,736,109
6. Originating on own trunk lines	4,142,816	4,279,363	3,820,866	32,138,628
7. Received from foreign pipe line connections	3,308,817	4,226,285	4,327,868	35,231,042
8. Received from other carriers (rail & truck)	-	-	50,907	366,439
9. Total Delivered * (10+11)	17,224,823	17,875,421	15,005,987	134,250,170
10. Less: Delivered to other Canadian trunk lines	4,342,650	4,113,840	3,003,790	28,594,118
11. Net Delivered (12+13+14)	12,882,173	13,761,581	12,002,197	105,656,052
12. Terminated on own trunk lines	9,491,758	10,261,495	8,876,994	82,833,709
13. Delivered to foreign pipe line connections	3,389,808	3,496,005	3,125,203	22,809,470
14. Delivered to other carriers (rail & truck)	607	4,081	-	12,873

TABLE 2

OIL<sup>b</sup> CARRIED BY PIPE LINES - GATHERING

	AUGUST 1954	JULY 1954	AUGUST 1953	YEAR TO DATE 1954
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	6,586,199	6,671,390	5,966,397	44,436,095
16. Less: Received from other gathering systems	-	-	-	-
17. Net Received (18+19)	6,586,199	6,671,390	5,966,397	44,436,095
18. Originating on own gathering system	6,344,274	6,174,035	5,833,819	42,332,123
19. Received from other carriers (rail & truck)	241,925	497,355	132,578	2,103,972
20. Total Delivered * (21+22+23)	6,617,285	6,621,254	5,876,653	44,464,125
Less: Delivered to other pipe lines -				
21. Own Trunk system	1,141,741	1,039,999	487,128	8,021,591
22. Other pipe lines	4,451,739	4,618,632	4,381,690	29,971,415
23. Net Delivered (24+25)	1,023,805	962,623	1,007,835	6,471,119
24. Terminated on gathering systems	936,595	839,218	844,615	5,938,060
25. Delivered to other carriers (rail & truck)	87,210	123,405	163,220	533,059

- <sup>a</sup> Includes natural gasoline and products.  
<sup>b</sup> Includes duplications.  
<sup>c</sup> Includes natural gasoline.



TABLE 3

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

Province		AUGUST 1954	JULY 1954	AUGUST 1953	YEAR TO DATE 1954
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	6,373,585	6,479,789	5,966,397	43,333,400
"	- Trunk	1,726,157	1,708,482	1,536,621	11,204,618
Saskatchewan	- Trunk	-	-	-	1,947
Manitoba	- Trunk	-	-	50,907	344,889
"	- Gathering	212,614	191,601	-	1,102,695
Ontario (2)	- Trunk	1,391,182	1,479,721	1,089,031	12,184,924
Quebec (3)	- Trunk	4,334,294	5,317,445	5,523,082	42,999,731
Net Received	- Gathering	6,586,199	6,671,390	5,966,397	44,436,095
"	- Trunk	7,451,633	8,505,648	8,199,641	67,736,109
"	- Total	14,037,832	15,177,038	14,166,038	112,172,204

TABLE 4

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

Province		AUGUST 1954	JULY 1954	AUGUST 1953	YEAR TO DATE 1954
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	1,298,190	1,038,376	-	8,527,734
Alberta (1)	- Gathering	1,023,805	962,623	1,007,835	6,471,119
"	- Trunk	612,029	554,027	493,131	4,655,846
Saskatchewan	- Trunk	1,210,198	1,270,598	1,181,273	8,997,504
Manitoba	- Trunk	4,002,410	4,125,571	3,730,413	27,211,139
Ontario (2)	- Trunk	2,415,405	2,570,847	2,257,596	20,960,899
Quebec	- Trunk	3,343,941	4,202,162	4,339,784	35,302,920
Net Delivered	- Trunk	12,882,173	13,761,581	12,002,197	105,656,052
"	- Total	13,905,978	14,724,204	13,010,032	112,127,171
Including deliveries to U.S. pipe lines at Gretna, Man.		3,389,808	3,496,005	3,125,203	22,809,470

TABLE 5

OPERATING STATISTICS

		AUGUST 1954	JULY 1954	AUGUST 1953	YEAR TO DATE 1954
Barrels Handled - Daily Average					
Gathering Systems	Barrels	213,461	213,589	189,569	182,980
Trunk Lines	"	555,639	576,626	484,054	593,622
Total Barrel Miles (Trunk Lines)	Millions	5,589	5,621	4,293	39,940
Average Miles Per Barrel (Trunk Lines)	Miles	324.5	314.4	286.1	297.5
Employees and Earnings (6)					
Average Number (4)	No.	1,210	1,207	940	1,133
Total Salaries and Wages	\$	470,197	460,253	343,705	3,614,542
Man-Hours Worked by Wage Earners (5) (6)	Hours	53,912	51,974	51,398	412,118

(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

AUGUST, 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
<b>TRAFFIC*</b>			<u>Barrels</u>			
<u>Total Received into System</u>						
This month (August, 1954)	4,696,736	6,333,209	3,303,817	1,437,931	(2) 7,056,057	22,832,750
This year (8 Months)	31,757,370	42,573,663	35,231,042	8,283,106	(3) 52,656,852	170,507,033
<u>Total Delivered out of System</u>						
This month (August, 1954)	4,680,425	6,312,151	3,343,941	1,298,190	(4) 7,065,660	22,700,367
This year (8 Months)	31,772,681	42,475,973	35,302,930	3,527,837	(5) 52,613,283	170,692,704
<b>OPERATING STATISTICS</b>						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month (August, 1954)	150,981	-	-	-	62,480	213,461
This year (8 Months)	130,752	-	-	-	52,228	182,980
<u>Trunk Lines</u>						
This month (August, 1954)	-	203,618	107,369	41,877	202,275	555,639
This year (8 Months)	-	173,564	145,279	35,094	239,685	593,622
<u>Total Barrel Miles</u>			<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>						
This month (August, 1954)	-	3,557	244	920	868	5,589
This year (8 Months)	-	24,493	2,591	6,040	6,816	39,940
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month (August, 1954)	-	564.0	73.0	708.0	138.2	324.5
This year (8 Months)	-	581.0	73.4	708.0	142.1	297.5
<b>OPERATING REVENUES</b>			<u>Dollars</u>			
Three Months ending March 31, 1954.	930,394	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.						
Twelve Months ending Dec. 31, 1954.						
<b>EMPLOYEES AND EARNINGS</b>			<u>Number</u>			
Number of Employees (August, 1954)	213	437	55	165	(7) 340	1,210
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month (August, 1954)	75,230	175,542	22,043	76,917	(7) 120,375	470,197
This year (8 Months)	596,955	1,313,624	140,315	636,030	(7) 925,618	3,614,542
<u>Man-Hours Worked by Wage Earners</u>			<u>Hours</u>			
This month (August, 1954)	26,797	319	3,269	2,074	(7) 20,953	53,912
This year (8 Months)	207,472	11,173	10,670	17,333	(7) 165,470	412,118

\* 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; 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 2,442,418 bbls. products and 41,218 bbls. natural gasoline.

(3) Includes 21,094,220 bbls. products and 349,312 bbls. natural gasoline.

(4) Includes 2,439,347 bbls. products and 41,064 bbls. natural gasoline.

(5) Includes 21,047,552 bbls. products and 344,844 bbls. natural gasoline.

(6) Includes Amurex Oil Development Company.

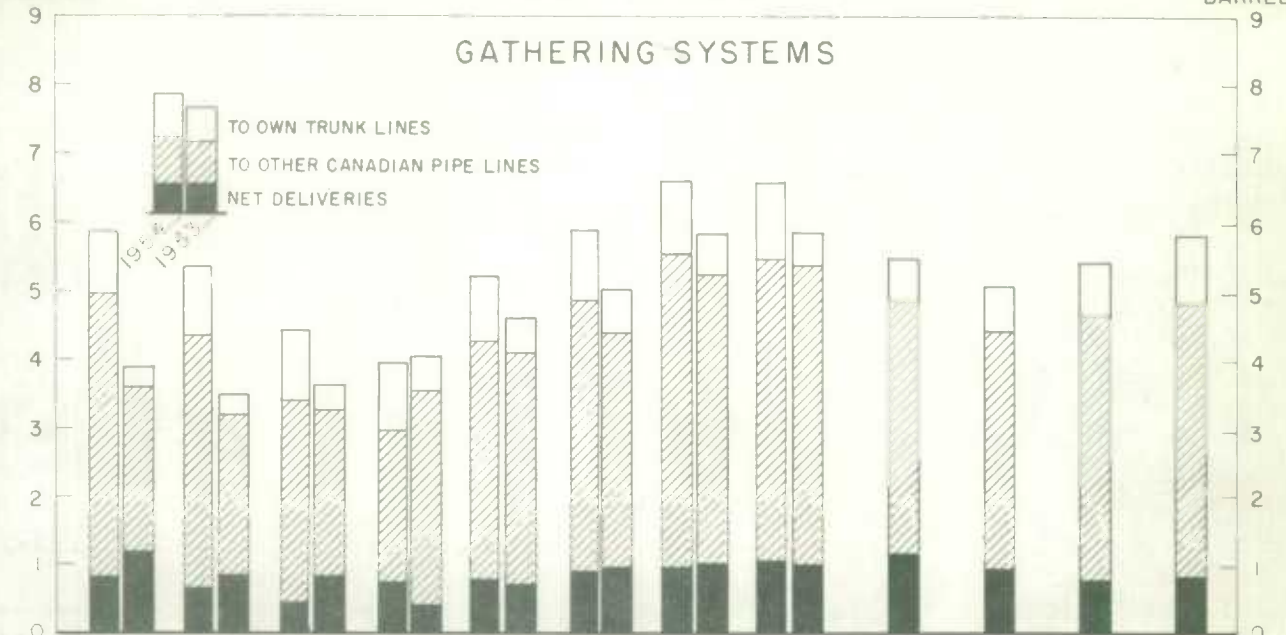
(7) Excludes Amurex Oil Development Company, Anglo American Exploration Company, Anglo-Canadian Oils, Limited, Imperial Oil - Sarnia Products Pipe Line Division, and Nisku Products Pipe Line Company, Limited.

# MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1953 AND 1954

MILLION  
BARRELS

MILLION  
BARRELS

## GATHERING SYSTEMS



## TRUNK LINES

