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## PIPE LINES (OIL) STATISTICS

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October, 1958

Net deliveries through Canadian pipelines registered a slight increase in October to 22,886,658 barrels from 22,735,509 in October 1957. The rise, which occurred despite a 50.5 p.c. drop in exports to 1,834,614 barrels from 3,709,234, was the first recorded in 1958 over the comparable month of the previous year. October deliveries were also up 10.8 p.c. from the 20,650,834 barrels reported for September, when exports amounted to 1,785,579 barrels. The daily average net delivery of 738,279 barrels in October compared with 733,404 barrels one year earlier, and 688,361 last month. Barrel miles at 7,747 million were 11.6 p.c. below the 8,761 reported one year ago, but up 7.0 p.c. from 7,237 million reported in September. The average length of haul at 233.3 miles decreased from 269.7 miles in October 1957, but showed a slight increase over the 231.6 recorded in the previous month.

For the first ten months of the year total net deliveries from both gathering and trunk lines amounted to 225,417,855 barrels, 8.4 p.c. below the 246,065,285 barrels recorded for the same period last year. Provincial deliveries in barrels were as follows (1957 data in brackets): British Columbia 25,101,315 (50,910,458); Alberta 13,872,456 (11,306,371); Saskatchewan 13,342,280 (14,735,686); Manitoba 73,741,252 (64,304,836); Ontario 34,737,477 (36,170,624); and Quebec 64,623,075 (68,637,310). Included in Manitoba deliveries were 64,984,813 barrels (56,006,033) transferred to the Lakehead Pipe Line Company at Gretna, the bulk of which moved through the United States destined to Ontario refineries. Exports via pipe line are shown in a footnote to table 4.

Gathering systems handled an average of 412,058 barrels per day in October, an increase of 3.5 p.c. from 398,097 barrels in the same month last year, and slightly more than the 411,799 barrels reported last month. Trunk lines averaged 1,070,965 barrels per day as compared to 1,032,749 barrels in 1957 and 1,041,476 barrels last month.

During the month of October net receipts totalled 23,605,757 barrels, slightly above the 23,532,059 shown last year, and 11.0 p.c. above the 21,259,809 barrels reported for September. Comprising the current month's receipts were 8,538,357 barrels of Alberta crude and 47,787 barrels of Alberta natural gasoline, 3,568,490 barrels of Saskatchewan crude, 467,976 barrels of Manitoba crude, 7,097,319 barrels of imported crude and 3,885,828 barrels of refinery products.

Employment and wages dropped slightly in October to 1,614 employees earning \$773,570, against 1,733 employees earning \$813,359 in the corresponding month last year, and 1,664 employees and a payroll of \$794,781 last month.

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 Company and employee data of the Amurex Oil Development Company, Key Pipe Line Company, Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Nisku Products Pipe Line Company, Anglo-Canadian Oils, Ltd., and Valley Pipe Line Company, Ltd., have been omitted. Data of the activities of these companies have been included in all other applicable sections of the report.

Prepared in the Transportation and Public Utilities Section,  
Public Finance and Transportation Division.

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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.

	Barrels
Total Received into Systems - all companies - during first ten months of 1958, per table 6 .....	372,990,476
Received into Trunk Lines from other Canadian Pipe Lines ....	143,261,296
"Net Received" into Canadian Pipe Line Systems .....	229,729,180
"Net Received" into Trunk Systems per table 1 .....	105,980,184
"Net Received" into Gathering Systems per table 2 .....	123,748,996
 Total Delivered out of Systems - all companies - during first ten months of 1958, per table 6 .....	 376,785,818
Delivered to other Canadian Pipe Lines .....	151,367,963
"Net Delivered" from Canadian Pipe Line Systems .....	225,417,855
"Net Delivered" from Trunk Systems per table 1 .....	223,784,424
"Net Delivered" from Gathering Systems per table 2 .....	1,633,431

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, 1958

	Barrels	
Total Shippers Balances - January 1, 1958 .....	10,141,516	
Total Carriers Balances - January 1, 1958 .....	1,069,013	11,210,529
Received into Gathering Systems January 1 to October 31, 1958 .....	128,329,786	
Received into Trunk Systems January 1 to October 31, 1958 .....	330,252,216	458,582,002
Total oil accountable for period .....		469,792,531
Delivered from Gathering Systems January 1 to October 31, 1958 .....	128,413,305	
Delivered from Trunk Systems January 1 to October 31, 1958 .....	329,383,578	457,796,883
Balance to be accounted for at October 31, 1958 .....		11,995,648
Oil consumed as fuel and losses January 1 to October 31, 1958 ....		292,832
Balance on hand - October 31, 1958 .....		11,702,816
Total Shippers Balances - October 31, 1958 .....	10,590,976	
Total Carriers Balances - October 31, 1958 .....	1,111,840	

The Interprovincial Pipe Line Company operates some 1,600 miles of line in Canada from Edmonton to the International border near Gretna, Manitoba, along with 7 miles of 30 inch pipe coming into Canada across the St. Clair River at Sarnia. This short line was extended in the fall of 1957 to Clarkson, Ontario. The Sun Pipe Line Company also operates lines across the St. Clair River from the United States to Sarnia. Oil delivered at Sarnia and Clarkson via Interprovincial's line would be a duplication of oil already reported on the western section of the line. For this reason and because of the limited nature of their operations, oil carried by these short sections is not included in Canadian oil pipe line statistics. However, commencing with April this year the barrel mile performance of these sections has been included with the total barrel miles shown in tables five and six. A summary of oil delivered by these two lines at Sarnia and Clarkson follows:

Month	Interprovincial Pipe Line Company		Sun Pipe Line Company
	Crude Oil Delivered at		Crude and Refined Oil
	Sarnia	Clarkson and Port Credit	Delivered at Sarnia
	Barrels	Barrels	Barrels
October, 1957	2,877,554	637,649	483,024
September, 1958	3,089,817	851,284	126,631
October, 1958	4,052,067	955,898	250,753

TABLE 1

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

	October 1958	September 1958	October 1957	YEAR TO DATE 1958
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	33,294,396	31,618,784	32,016,845	330,252,216
Less: Received from other Canadian pipe lines -				
2.     Own Gathering System	8,123,522	7,876,918	7,761,230	81,010,736
3.     Other pipe lines - Gathering	5,099,234	5,454,282	4,804,252	54,602,645
4.             Trunk	8,584,363	8,763,892	8,314,647	88,658,651
5. <u>Net Received (6+7+8)</u>	11,487,277	9,523,692	11,136,716	105,980,184
6.     Originating on own trunk lines	4,196,397	3,363,864	3,714,854	38,455,634
7.     Received from foreign pipe line connections	7,097,319	5,874,903	6,988,733	64,670,081
8.     Received from other carriers (rail & truck)	193,561	284,925	433,129	2,854,469
9. <u>Total Delivered * (10+11)</u>	33,199,929	31,244,280	32,015,246	329,383,578
10. Less: Delivered to other Canadian trunk lines	10,464,464	10,724,460	9,484,677	105,599,154
11. <u>Net Delivered (12+13+14)</u>	22,735,465	20,519,820	22,530,569	223,784,424
12.     Terminated on own trunk lines	15,543,586	13,926,934	14,053,881	150,187,684
13.     Delivered to foreign pipe line connections	7,164,707	6,553,381	8,452,569	73,122,681
14.     Delivered to other carriers (truck, rail & water)	27,172	39,505	24,119	474,059

TABLE 2

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

	October 1958	September 1958	October 1957	YEAR TO DATE 1958
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	12,788,997	12,314,580	12,395,343	128,329,786
16. Less: Received from other gathering systems	670,517	578,463	-	4,580,790
17. <u>Net Received (18+19)</u>	12,118,480	11,736,117	12,395,343	123,748,996
18.     Originating on own gathering system	11,884,254	11,515,122	12,138,900	121,771,309
19.     Received from other carriers (rail & truck)	234,226	220,995	256,443	1,977,687
20. <u>Total Delivered * (21+22+23)</u>	12,773,820	12,353,966	12,341,018	128,413,305
Less: Delivered to other pipe lines -				
21.     Own Trunk system	8,123,522	7,876,918	7,761,230	81,011,065
22.     Other pipe lines	4,499,105	4,346,034	4,374,848	45,768,809
23. <u>Net Delivered (24+25)</u>	151,193	131,014	204,940	1,633,431
24.     Terminated on gathering systems	87,087	60,758	86,007	809,737
25.     Delivered to other carriers (rail & truck)	64,106	70,256	118,933	823,694

<sup>a</sup> Includes natural gasoline and refinery products.

\* Includes duplications.

<sup>b</sup> Includes natural gasoline.

TABLE 3

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

Province		October 1958	September 1958	October <sup>x</sup> 1957	YEAR TO DATE 1958
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	8,259,424	8,009,314	9,001,312	86,812,650
"	- Trunk	394,107	382,727	476,258	3,940,997
Saskatchewan	- Gathering	3,391,080	3,259,335	2,894,578	32,030,298
"	- Trunk	177,410	306,969	400,252	2,633,155
Manitoba	- Gathering	467,976	467,468	499,453	4,906,048
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,503,765	1,713,018	1,898,771	21,700,071
Quebec (3)	- Trunk	8,411,995	7,120,978	8,361,435	77,705,961
Net Received	- Gathering	12,118,480	11,736,117	12,395,343	123,748,996
" "	- Trunk	11,487,277	9,523,692	11,136,716	105,980,184
" "	- Total	23,605,757	21,259,809	23,532,059	229,729,180

TABLE 4

OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT TERMINATED OR WAS TRANSFERRED TO OTHER CARRIERS

Province		October 1958	September 1958	October 1957	YEAR TO DATE 1958
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	1,995,960	1,687,924	3,352,647	25,101,315
Alberta (1)	- Gathering	124,119	103,664	127,217	1,194,516
"	- Trunk	1,193,808	1,289,933	866,615	12,677,940
Saskatchewan	- Gathering	27,074	27,350	77,723	438,915
"	- Trunk	1,061,117	1,571,585	1,242,436	12,903,365
Manitoba <sup>β</sup>	- Trunk	7,659,990	7,140,719	6,775,987	73,741,252
Ontario (2)	- Trunk	3,750,791	2,964,058	3,264,964	34,737,477
Quebec	- Trunk	7,073,799	5,865,601	7,027,920	64,623,075
Net Delivered	- Gathering	151,193	131,014	204,940	1,633,431
" "	- Trunk <sup>γ</sup>	22,735,465	20,519,820	22,530,569	223,784,424
" "	- Total	22,886,658	20,650,834	22,735,509	225,417,855
" "	- Daily average	738,279	688,361	733,404	741,506
<sup>β</sup>	Includes deliveries to U.S. pipe lines, Gretna, Man.	6,842,917	6,232,218	6,338,639	64,984,813
<sup>γ</sup>	Includes exports - via Trans Mountain Oil Pipe Line Company via Interprovincial Pipe Line Company	321,790 1,512,824	321,163 1,464,416	2,113,930 1,595,304	8,260,436 17,234,884

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		October 1958	September 1958	October <sup>x</sup> 1957	YEAR TO DATE 1958
Barrels Handled - Daily Average					
Gathering Systems	Barrels	412,058	411,799	398,097	422,412
Trunk Lines	"	1,070,965	1,041,476	1,032,749	1,083,499
Total Barrel Miles (Trunk Lines)	Millions	7,747	7,237	8,761 <sup>(7)</sup>	79,810
Average Miles Per Barrel (Trunk Lines)	Miles	233.3	231.6	269.7	242.3
Employees and Earnings (6)					
Average Number (4)	No.	1,614	1,664	1,733	1,668
Total Salaries and Wages	\$	773,570	794,781	813,359	7,793,694
Man-Hours Worked by Wage Earners (5) (6)	Hours	71,671	70,559	78,914	716,645

(1) Includes natural gasoline and some refinery products.

(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., Key Pipe Line Company, Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Mobil Oil of Canada, Ltd., Nisku Products Pipe Line Company, Ltd., Peace River Oil Pipe Line Company, Ltd., Sarnia Products Line, Valley Pipe Line Company, Ltd., and Westspur Pipe Line Company.

(7) Revised to include barrel miles of short sections of line entering Canada at Sarnia (See page 2).

x Revised.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

October, 1958

	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Trans Mountain Oil Pipe Line Company	Pembina Pipe Line Ltd.	Other Pipe Lines (1)	Total
<b>TRAFFIC*</b>							
				<u>Barrels</u>			
<u>Total Received into System</u>							
This month October, 1958	2,124,793	9,074,233	7,097,319	1,647,254	2,934,321	(2) 14,411,434	37,289,354
This year (10 months)	24,751,423	90,792,337	64,670,081	25,217,574	28,682,063	(3) 138,876,998	372,990,476
<u>Total Delivered out of System</u>							
This month October, 1958	2,129,867	8,730,893	7,073,799	1,995,960	2,934,413	(4) 14,985,295	37,850,227
This year (10 months)	24,759,441	89,982,719	64,623,075	25,101,315	28,696,198	(5) 143,623,070	376,785,818
<b>OPERATING STATISTICS</b>							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month October, 1958	68,705	-	-	-	94,430	248,923	412,058
This year (10 months)	81,446	-	-	-	94,086	246,880	422,412
<u>Trunk Lines</u>							
This month October, 1958	-	281,642	228,187	64,386	94,658	402,092	1,070,965
This year (10 months)	-	295,996	212,576	82,570	94,395	397,962	1,083,499
<u>Total Barrel Miles</u>				<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>							
This month October, 1958	-	4,307	499	1,334	204	1,403	7,747
This year (10 months)	-	42,599	4,720	16,989	1,994	13,508	79,810
<u>Average Miles Per Barrel</u>							
<u>(Trunk Lines)</u>							
This month October, 1958	-	473.0	70.6	668.0	69.5	112.6	233.3
This year (10 months)	-	449.0	73.0	677.0	69.5	116.5	242.3
<b>OPERATING REVENUES</b>							
				<u>Dollars</u>			
Three Months ending Mar. 31, 1958	740,332	6,851,428	692,787	4,022,400	1,195,323	(7) 6,835,979	20,338,249
Six Months ending June 30, 1958	1,272,173	12,788,597	1,330,579	7,032,152	2,345,686	(7) 13,092,402 <sup>x</sup>	37,861,589 <sup>x</sup>
Nine Months ending Sept. 30, 1958	1,847,991	19,435,590	2,005,120	10,021,728	3,700,226	(7) 20,018,992 <sup>x</sup>	57,029,647 <sup>x</sup>
Twelve Months ending Dec. 31,							
<b>EMPLOYEES AND EARNINGS</b>							
<u>Number of Employees October, 1958</u>				<u>Number</u>			
	138	434	52	236	147	(6) 607	1,614
<u>Salaries and Wages</u>				<u>Dollars</u>			
This month October, 1958	65,908	214,127	25,181	123,646	68,810	(6) 275,898	773,570
This year (10 months)	668,112	2,116,012	247,832	1,269,858	707,354	(6) 2,784,526	7,793,694
<u>Man-Hours Worked by Wage Earners</u>				<u>Hours</u>			
This month October, 1958	16,478	976	6,450	-	14,288	(6) 33,479	71,671
This year (10 months)	170,121	5,018	64,190	400	145,389	(6) 331,527	716,645

\* Totals include duplication between companies.

x Revised.

(1) See list of reporting companies on page 7.

(2) Includes 3,885,828 bbls. products and 47,787 bbls. natural gasoline.

(3) Includes 35,394,513 bbls. products and 446,819 bbls. natural gasoline.

(4) Includes 3,818,287 bbls. products and 49,347 bbls. natural gasoline.

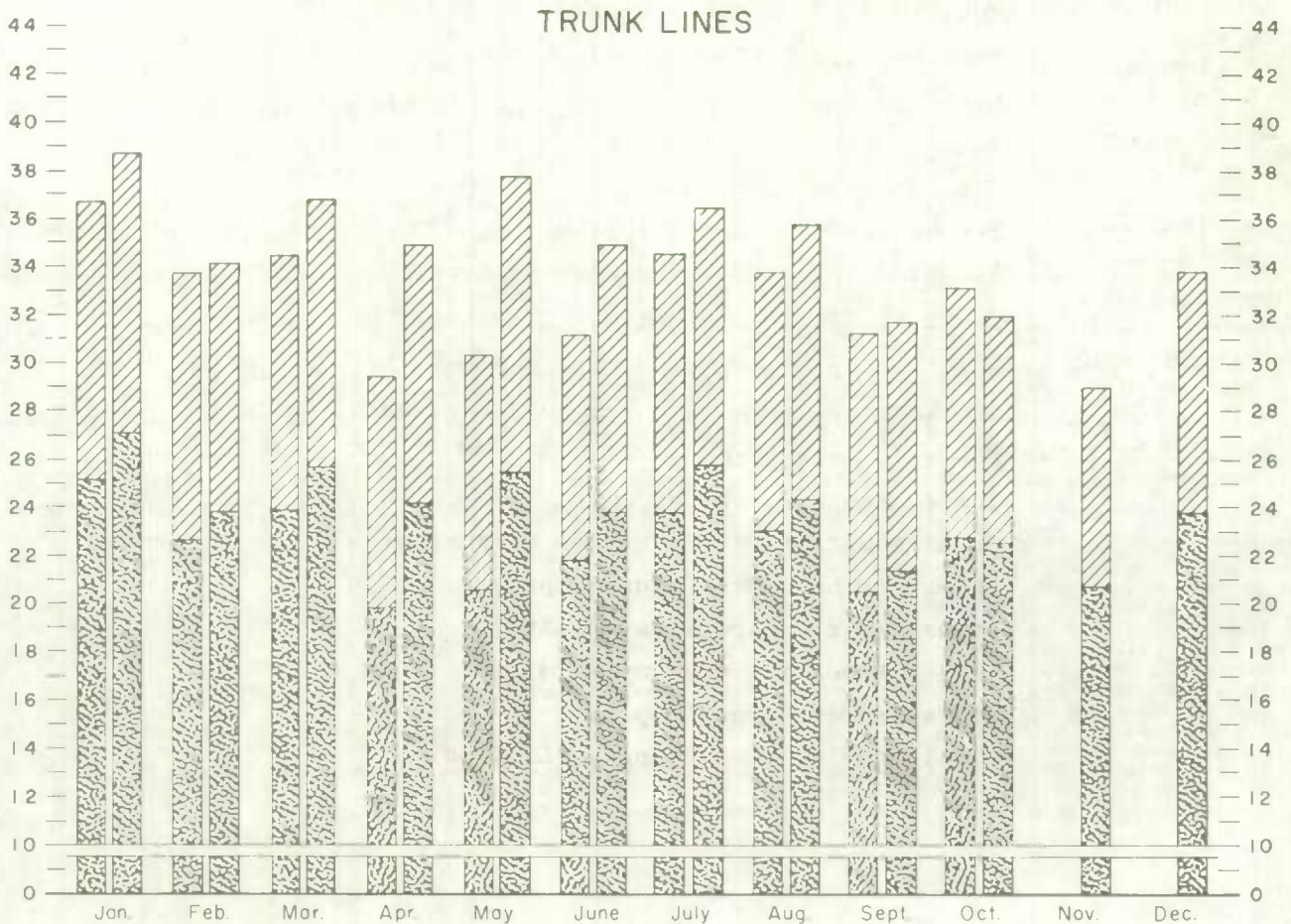
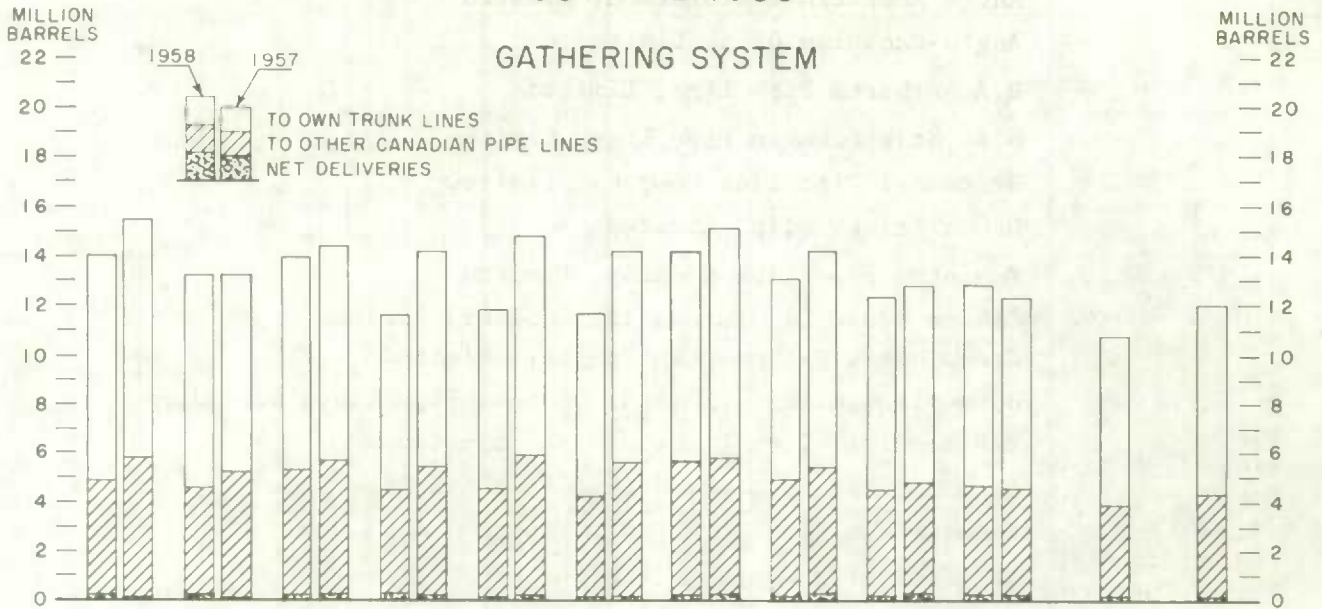
(5) Includes 35,393,671 bbls. products and 444,052 bbls. natural gasoline.

(6) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; Imperial Oil-Sarnia Products Pipe Line Division; Key Pipe Line Co., Limited; Mid-Saskatchewan Pipe Lines Limited; Mobil Oil of Canada Limited; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Company; Valley Pipe Line Company, Limited and Westspur Pipe Line Company.

(7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Green River Exploration Company; Mobil Oil of Canada Limited and Sarnia Products Line.

(8) Includes barrel miles of short sections of line entering Canada at Sarnia.

# MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1957 AND 1958



List of Oil Pipe Lines Reporting

Amurex Oil Company  
Anglo American Exploration, Limited  
Anglo-Canadian Oils, Limited  
B.A. Alberta Pipe Line, Limited  
B.A. Saskatchewan Pipe Line, Limited  
Britamoil Pipe Line Company, Limited  
Devon-Palmer Oils, Limited  
Edmonton Pipe Line Company, Limited  
Gibson Crude Oil Purchasing Company, Limited  
Green River Exploration Company, Limited  
Home Oil Company, Limited, Cremona Pipe Lines Division  
The Imperial Pipe Line Company, Limited  
Imperial Oil Limited, Sarnia Products Pipe Line  
Interprovincial Pipe Line Company  
Key Pipe Line Company, Limited  
Mid-Saskatchewan Pipe Lines, Limited  
Mobil Oil of Canada, Limited  
Montreal Pipe Line Company, Limited  
Nisku Products Pipe Line Company, Limited  
Peace River Oil Pipe Line Company, Limited  
Pembina Pipe Line, Limited  
Producers Pipelines, Limited  
Rangeland Pipe Line Company, Limited  
Saskatoon Pipe Line Company, Limited  
South Saskatchewan Pipe Line Company  
Sun-Canadian Pipe Line Company, Limited  
Sun Pipe Line Company  
Texaco Exploration Company  
Trans Mountain Oil Pipe Line Company  
Trans-Northern Pipe Line Company  
Trans-Prairie Pipelines, Limited  
Valley Pipe Line Company, Limited  
Westspur Pipe Line Company  
Winnipeg Pipe Line Company, Limited

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