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PIPE LINES (OIL) STATISTICS

AUGUST, 1958

Deliveries of oil from Canadian pipe lines continued to decline, dropping 6.0 p.c. in August to 23,141,064 barrels from 24,607,743 recorded one year ago. This decline was due entirely to the reduced flow of exports which amounted to only 2,213,762 as against 4,507,400 in August last year. The daily average delivery of 714,228 barrels compares with 793,798 last year and 770,465 in July. Barrel miles, in millions, declined to 8,270 from 10,105 in August 1957, while the average length of haul fell to 245.1 miles from 281.4.

For the first eight months of the year total net deliveries from both gathering and trunk lines amounted to 181,880,363 barrels, as compared with 201,712,472 in the corresponding period last year. Provincial deliveries, in barrels were as follows (1957 data in brackets): British Columbia 21,417,431 (43,440,542); Alberta 11,160,932 (9,115,600); Saskatchewan 10,655,154 (11,999,034); Manitoba 58,940,543 (51,617,081); Ontario 28,022,628 (29,820,971); and Quebec 51,683,675 (55,719,244). Included in Manitoba deliveries were 51,909,678 barrels (44,658,278) 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 421,401 barrels per day in August, a decrease of 8.0 p.c. from the 458,112 barrels reported last year, and a 7.3 p.c. decrease from last month. Trunk line deliveries at 1,088,407 barrels per day were down 5.8 p.c. from the 1,155,166 barrels recorded in August 1957, and 2.3 p.c. below the 1,113,994 barrels handled in July.

Net receipts for the month decreased 10.0 p.c. to 22,747,623 barrels from 25,264,897 in the corresponding month last year. August receipts were comprised of 8,885,625 barrels of Alberta crude and 39,521 barrels of Alberta natural gasoline, 3,678,925 barrels of Saskatchewan crude, 485,108 barrels of Manitoba crude, 6,274,050 barrels of imported crude and 3,384,394 barrels of refinery products.

Employment and wages decreased in August, with 1,690 employees earning \$787,655, as against 1,792 employees earning \$836,162 last year.

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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EDMOND CLOUTIER, C.M.G., O.A., D.S.P., Queen's Printer and Controller of Stationery, Ottawa, 1958

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 eight months of 1958, per table 6	300,223,139
Received into Trunk Lines from other Canadian Pipe Lines	115,359,525
"Net Received" into Canadian Pipe Line Systems	184,863,614
"Net Received" into Trunk Systems per table 1	84,969,215
"Net Received" into Gathering Systems per table 2	99,894,399
 Total Delivered out of Systems - all companies - during first eight months of 1958, per table 6	 303,214,263
Delivered to other Canadian Pipe Lines	121,333,900
"Net Delivered" from Canadian Pipe Line Systems	181,880,363
"Net Delivered" from Trunk Systems per table 1	180,529,139
"Net Delivered" from Gathering Systems per table 2	1,351,224

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, 1958

	<u>Barrels</u>	
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 August 31, 1958	103,226,209	
Received into Trunk systems January 1 to August 31, 1958	265,339,036	368,565,245
Total oil accountable for period		379,775,774
Delivered from Gathering systems January 1 to August 31, 1958	103,285,519	
Delivered from Trunk systems January 1 to August 31, 1958	264,939,369	368,224,888
Balance to be accounted for at August 31, 1958		11,550,886
Oil consumed as fuel and losses January 1 to August 31, 1958 ...		233,245
Balance on hand - August 31, 1958		11,317,641
Total Shippers Balances - August 31, 1958	10,212,694	
Total Carriers Balances - August 31, 1958	1,104,947	

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 Delivered at Sarnia
	Sarnia	Clarkson and Port Credit	
	Barrels	Barrels	Barrels
August, 1957	3,456,113	-	520,218
July, 1958	3,800,667	1,061,144	165,425
August, 1958	3,353,871	1,232,353	151,276

Pipe Lines (Oil) Statistics

August, 1958.

Table 6 - Traffic and Operating Pipe Line Statistics, by companies

ERRATA

	Imperial Pipe Line Co. Ltd.	Pembina Pipe Line Ltd.	Total
<u>Reads</u>			
<u>Barrels Handled - Daily Average</u>			
<u>Gathering Lines</u>			
This month August, 1958	96,698	76,512	
This year (8 months)	93,734	84,591	
<u>Man-Hours Worked by Wage Earners</u>			
This month August, 1958		2,770	62,096
 <u>Should read</u>			
<u>Barrels Handled - Daily Average</u>			
<u>Gathering Lines</u>			
This month August, 1958	76,512	96,698	
This year (8 months)	84,591	93,734	
<u>Man-Hours Worked by Wage Earners</u>			
This month August, 1958		12,770	72,096

TABLE 1

OIL^f CARRIED BY PIPE LINES - TRUNK

	August 1958	July 1958	August 1957	YEAR TO DATE 1958
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	33,385,785	35,040,280	35,706,526	265,339,036
Less: Received from other Canadian pipe lines				
2. Own Gathering System	8,215,739	8,566,596	8,761,800	65,010,296
3. Other pipe lines - Gathering	5,683,134	6,279,475	4,736,930	44,049,129
4. Trunk	9,185,045	9,285,848	11,081,013	71,310,396
5. <u>Net Received (6+7+8)</u>	10,301,867	10,908,361	11,126,783	84,969,215
6. Originating on own trunk lines	3,695,246	3,766,083	3,767,174	30,895,373
7. Received from foreign pipe line connections	6,274,050	6,801,540	6,892,479	51,697,859
8. Received from other carriers (rail & truck)	332,571	340,738	467,130	2,375,983
9. <u>Total Delivered * (10+11)</u>	33,740,617	34,533,810	35,810,165	264,939,369
10. Less: Delivered to other Canadian trunk lines	10,734,689	10,799,428	11,465,090	84,410,230
11. <u>Net Delivered (12+13+14)</u>	23,005,928	23,734,382	24,345,075	180,529,139
12. Terminated on own trunk lines	15,898,514	15,926,298	15,836,368	120,717,164
13. Delivered to foreign pipe line connections	7,068,554	7,787,337	8,367,296	59,404,593
14. Delivered to other carriers (truck, rail & water)	38,860	20,747	141,411	407,382

TABLE 2

OIL^g CARRIED BY PIPE LINES - GATHERING

	August 1958	July 1958	August 1957	YEAR TO DATE 1958
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	13,039,861	14,084,851	14,138,114	103,226,209
16. Less: Received from other gathering systems	594,105	647,678	-	3,331,800
17. <u>Net Received (18+19)</u>	12,445,756	13,437,173	14,138,114	99,894,399
18. Originating on own gathering system	12,234,788	13,225,286	14,003,896	98,371,933
19. Received from other carriers (rail & truck)	210,968	211,887	134,218	1,522,466
20. <u>Total Delivered * (21+22+23)</u>	13,063,446	14,097,105	14,201,481	103,285,519
Less: Delivered to other pipe lines -				
21. Own Trunk system	8,215,739	8,566,596	8,761,800	65,010,625
22. Other pipe lines	4,712,571	5,380,473	5,177,013	36,923,670
23. <u>Net Delivered (24+25)</u>	135,136	150,036	262,668	1,351,224
24. Terminated on gathering systems	79,252	88,343	127,773	661,892
25. Delivered to other carriers (rail & truck)	55,884	61,693	134,895	689,332

^f Includes natural gasoline and refinery products.

^g Includes natural gasoline.

^h Includes natural gasoline.

TABLE 3

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

Province		August 1958	July 1958	August x 1957	YEAR TO DATE 1958
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	8,596,394	9,683,348	11,077,372	70,543,912
"	- Trunk	389,298	377,152	578,922	3,164,163
Saskatchewan	- Gathering	3,364,254	3,246,904	2,522,625	25,379,883
"	- Trunk	314,671	316,125	322,630	2,148,776
Manitoba	- Gathering	485,108	506,921	538,117	3,970,604
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	1,855,061	1,997,206	1,515,223	17,483,288
Quebec (3)	- Trunk	7,742,837	8,217,878	8,710,008	62,172,988
Net Received	- Gathering	12,445,756	13,437,173	14,138,114	99,894,399
"	" - Trunk	10,301,867	10,908,361	11,126,783	84,969,215
"	" - Total	22,747,623	24,345,534	25,264,897	184,843,624

TABLE 4

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

Province		August 1958	July 1958	August 1957	YEAR TO DATE 1958
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	2,345,890	2,729,265	5,018,879	21,417,431
Alberta (1)	- Gathering	118,294	129,200	165,977	966,733
"	- Trunk	1,727,249	1,810,953	1,103,534	10,194,199
Saskatchewan	- Gathering	16,842	20,836	96,691	384,491
"	- Trunk	1,678,964	1,281,884	1,529,391	10,270,663
Manitoba ^δ	- Trunk	7,619,724	7,718,610	6,524,086	58,940,543
Ontario (2)	- Trunk	3,327,686	3,430,569	3,330,920	28,022,628
Quebec	- Trunk	6,306,415	6,763,101	6,838,265	51,683,675
Net Delivered	- Gathering	135,136	150,036	262,668	1,351,224
"	" - Trunk [‡]	23,005,928	23,734,382	24,345,075	180,529,139
"	" - Total	23,141,064	23,884,418	24,607,743	181,880,363
"	" - Daily Average	714,228	770,465	793,798	748,479
^δ	Includes deliveries to U.S. pipe lines, Gretna, Man.	6,639,357	6,928,942	5,699,179	51,909,678
[‡]	Includes exports - via Trans Mountain Oil Pipe Line Company	429,197	858,395	2,788,956	7,617,483
	via Interprovincial Pipe Line Company	1,784,565	1,753,265	1,718,444	14,257,644

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		August 1958	July 1958	August 1957	YEAR TO DATE 1958
Barrels Handled - Daily Average					
Gathering Systems	Barrels	421,401	454,745	458,112	425,043
Trunk Lines	"	1,088,407	1,113,994	1,155,166	1,090,285
Total Barrel Miles (Trunk Lines)	Millions	8,270	8,449	10,105*	64,826
Average Miles Per Barrel (Trunk Lines)	Miles	245.1	244.7	281.4	244.7
Employees and Earnings (6)					
Average Number (4)	No.	1,690	1,700	1,792	1,550
Total Salaries and Wages	\$	787,655	797,884	836,162	6,225,343
Man-Hours Worked by Wage Earners (5) (6)	Hours	62,096	73,504	85,477	564,415

(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 Westapur Pipe Line Company.

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

x Revised.

TABLE 2

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

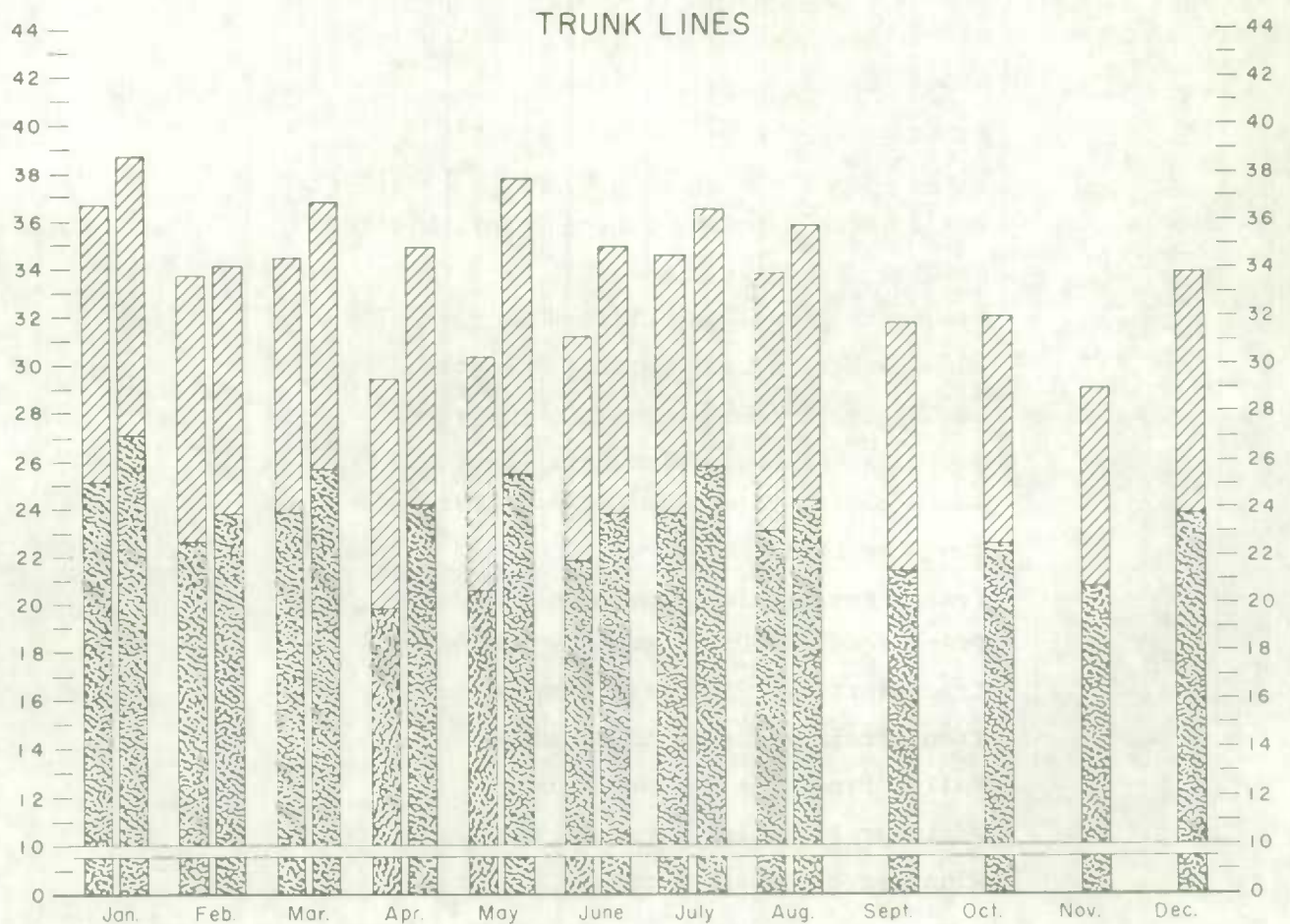
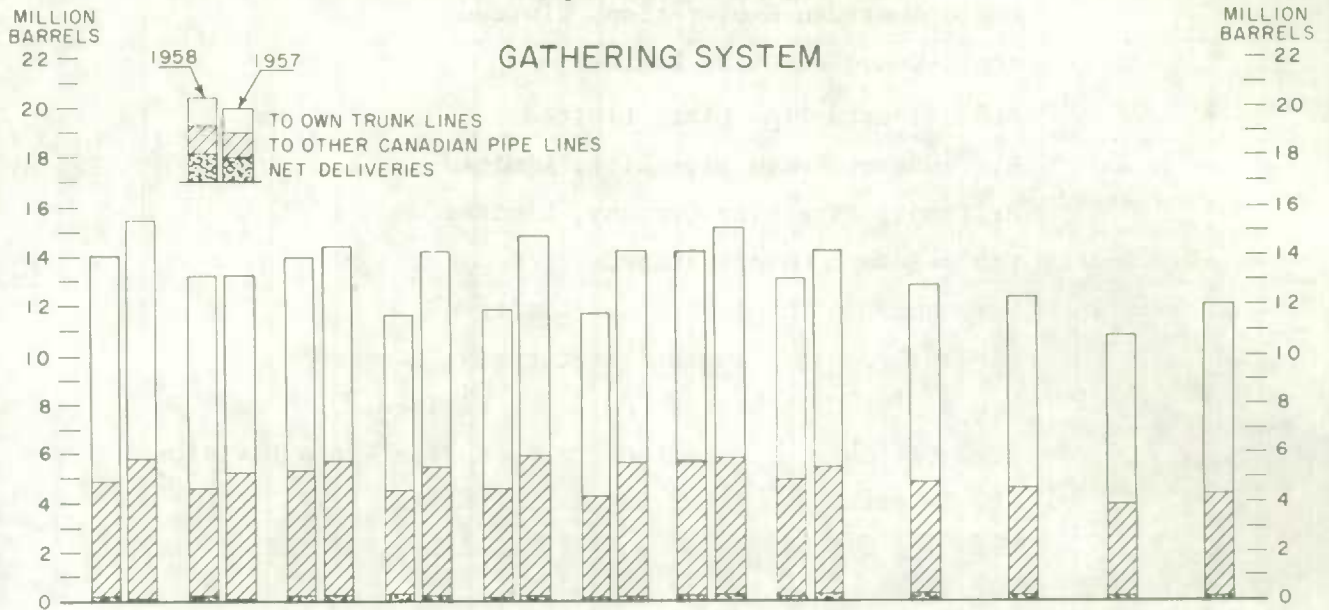
August, 1958

	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
TRAFFIC*							
				<u>Barrels</u>			
<u>Total Received into System</u>							
This month August, 1958	2,374,174	9,660,691	6,274,050	2,024,776	2,994,452	(2) 14,287,659	37,615,802
This year (9 months)	20,572,669	72,898,638	51,697,859	21,287,194	22,855,546	(3) 110,911,233	300,223,139
<u>Total Delivered out of System</u>							
This month August, 1958	2,371,883	9,754,955	6,306,415	2,345,890	3,031,525	(4) 14,777,656	38,588,324
This year (9 months)	20,555,693	72,295,564	51,683,675	21,417,431	22,856,875	(5) 114,405,025	303,214,263
OPERATING STATISTICS							
<u>Barrels Handled - Daily Average</u>							
<u>Gathering Lines</u>							
This month August, 1958	96,698	-	-	-	76,512	248,191	421,401
This year (9 months)	93,734	-	-	-	84,591	246,718	425,043
<u>Trunk Lines</u>							
This month August, 1958	-	314,676	203,433	75,674	97,791	396,833	1,088,407
This year (9 months)	-	297,513	212,690	88,138	94,061	397,883	1,090,285
<u>Total Barrel Miles</u>				<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>							
This month August, 1958	-	4,591	465	1,599	211	1,404	(8) 8,270
This year (9 months)	-	34,131	3,807	14,495	1,589	10,804	(8) 64,826
<u>Average Miles Per Barrel</u>							
<u>(Trunk Lines)</u>							
This month August, 1958	-	448.0	73.7	682.0	69.5	141.7	245.1
This year (9 months)	-	447.0	73.7	677.0	69.5	111.7	244.7
OPERATING REVENUES							
				<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) 13,131,469	37,900,656
Nine Months ending Sept. 30,							
Twelve Months ending Dec. 31,							
EMPLOYEES AND EARNINGS							
				<u>Number</u>			
Number of Employees August, 1958	149	445	55	242	151	648	1,690
<u>Salaries and Wages</u>							
				<u>Dollars</u>			
This month August, 1958	68,217	219,151	26,054	123,121	66,721	(6) 284,391	787,655
This year (9 months)	537,254	1,679,236	196,873	1,022,851	568,367	(6) 2,220,762	6,225,343
<u>Man-Hours Worked by Wage Earners</u>							
				<u>Hours</u>			
This month August, 1958	16,507	954	6,952	-	2,770	(6) 34,913	62,096
This year (9 months)	137,692	3,597	51,185	400	107,429	(6) 264,112	564,415

* Totals include duplication between companies.

- (1) See list of reporting companies on page 7.
- (2) Includes 3,384,394 bbls. products and 39,521 bbls. natural gasoline.
- (3) Includes 28,212,093 bbls. products and 356,416 bbls. natural gasoline.
- (4) Includes 3,387,424 bbls. products and 43,433 bbls. natural gasoline.
- (5) Includes 28,543,279 bbls. products and 351,348 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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