



DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Hon. George Hees, Minister of Trade and Commerce

MONTHLY

Vol. 11 No. 8

Price: \$2.00 per year

OIL PIPE LINE TRANSPORT

AUGUST, 1961

Net receipt of crude oil, liquefied petroleum gases and petroleum products through Canadian oil pipe lines increased 15.5 per cent during August to 29,754,082 barrels from 25,753,609 barrels in the same month last year. During the period under review the oil pipe line industry received 19,916,513 barrels of crude oil and L.P.G.'s, 6,007,191 barrels of imported crude oil, L.P.G.'s and products and 3,830,378 barrels of products.

Deliveries of petroleum and its products increased 14.3 per cent during the month to 29,168,740 barrels from 25,512,023 barrels in August, 1960. Included in the deliveries were 19,500,068 barrels of crude oil and L.P.G.'s, 5,885,175 barrels of crude oil, L.P.G.'s and products for export and 3,813,497 barrels of products.

Trunk line net receipts rose 23.0 per cent above last August. Own gathering systems accounted for 41.9 per cent of receipts with 23.9 per cent received from other gathering systems. Imports of 6,007,191 barrels were down 9.5 per cent from August 1960 and accounted for 19.4 per cent of receipts.

Deliveries to refineries totalled 19,099,371 barrels, up 4.5 per cent. Exports increased to 5,855,175 barrels or 97.0 per cent but deliveries to bulk plants and terminals of 3,864,672 barrels were almost unchanged. Total oil held by Canadian pipe line systems amounted to 13,616,637 barrels at the end of the month.

Total traffic of trunk lines increased 34.3 per cent to 12,408,147 barrel miles from 9,241,822 barrel miles in August 1960. The average length of haul was 272.6 miles.

Employment and earnings were down in August with 1,548 employees earning \$820,876 as against 1,596 employees earning \$831,115.

Net receipts (and deliveries) are the unduplicated totals of oil received (and delivered) by the Canadian oil pipeline systems. Intercompany movements of oil are tabulated separately as transfers. In addition condensates or L.P.G.'s which are "transferred to crude oil stream", that is comingled with oil, are entered separately. L.P.G. statistics in this report include condensates.

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

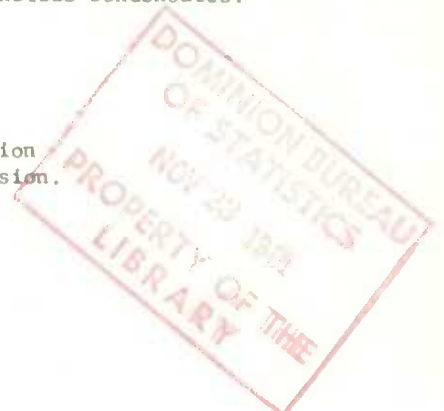


TABLE 1. Summary of Net Receipts and Net Deliveries of Gathering and Trunk Oil Pipe Lines, by Province

	British Columbia	Alberta	Saskat- chewan	Manitoba	Ontario	Quebec	Yukon	Canada

(1) Trucked from Saskatchewan to Manitoba pipeline terminal.

TABLE 2. Receipts and Disposition of Crude Oil, Liquefied Petroleum Gases and Petroleum Products - Trunk Lines

	Crude oil	L.P.G.'s	Products	Total August 1961	July 1961	August 1960	Inter- provincial Pipe Line Company(4)	Montreal Pipe Line Company Limited	Trans- Mountain Oil Pipe Line Company
barrels									
<u>Receipts</u>									
Receipts:									
From own gathering system	12,768,281	166,044	-	12,934,325	12,470,521	9,770,082	-	-	-
From other gathering systems	7,301,546	78,219	-	7,379,765	7,326,982	4,167,892	3,450,174	-	2,151,769
From other carriers (truck and rail)	326,143	8,291	-	334,434	277,527	213,118	-	-	-
From refineries and processing plants	179,165	217,074	3,830,378	4,226,217	3,800,578	4,319,138	-	-	-
Imports	5,982,915	-	24,276	6,007,191	3,883,772	6,636,515	-	5,705,083	-
Total net receipts	26,558,050	469,628	3,854,654	30,882,332	27,759,380	25,106,745	3,450,174	5,705,083	2,151,769
Transfers from other trunk lines	15,108,726	40,828	-	15,149,554	13,817,509	12,697,985	10,262,745	-	2,263,017
Transfers from L.P.C.'s	172,597	-	-	172,597	143,215	-	-	-	-
Total gross receipts	41,839,373	510,456	3,854,654	46,204,483	41,720,104	37,804,730	13,712,919	5,705,083	4,414,786
<u>Disposition</u>									
Deliveries to refineries	19,034,822	64,549	-	19,099,371	16,004,890	18,274,101	8,211,232	5,671,496	1,371,405
Exports	5,815,262	39,913	-	5,855,175	6,092,423	2,971,989	3,081,474	-	2,773,701
To other carriers (truck and rail)	-	21,204	-	21,204	5,614	49,183	-	-	-
To bulk plants, terminals, etc.	8,055	43,120	3,813,497	3,864,672	3,411,368	3,861,893	-	-	-
Total net deliveries	24,858,139	168,786	3,813,497	28,840,422	25,514,295	25,157,166	11,292,706	5,671,496	4,145,106
Transfers to other trunk lines	16,424,110	87,381	-	16,511,491	15,637,910	..	2,091,945	-	-
Transfers to crude oil stream	-	172,597	-	172,597	143,215	-	-	-	-
Total gross deliveries	41,282,249	428,764	3,813,497	45,524,510	41,295,420	37,969,686	13,384,651	5,671,496	4,145,106
Pipeline fuel	24,952	-	-	24,952	21,944	217,959(2)	23,921	-	881
Pipeline losses and unaccounted for	15,502	1,933	-171	17,264	20,593	..	12,636	-10,965	7,121
Inventory changes and other changes	568,779	2,322	41,328	612,429	187,702	..	266,383	44,552	261,678
Deliveries to other carriers U.S.A.(3)	-52,109	77,437	-	25,328	194,445	-	25,328	-	-
Total disposition	41,839,373	510,456	3,854,654	46,204,483	41,720,104	..	13,712,919	5,705,083	4,414,786
Crude oil deliveries to U.S.A. at Gretna, Man.				10,424,378(4)	9,654,411(4)	7,758,497			
Crude oil received from U.S.A. at Sarnia, Ont.				7,317,756(4)	6,662,176(4)	6,056,188			

(1) Does not agree with deliveries to other trunk lines due to slight differences between company reports, Table 4.

(2) Gathering and trunk.

(3) For re-entry into Canada.

.. Figures not available.

(4) Includes L.P.C.'s and Condensates.

TABLE 3. Receipts and Disposition of Crude Oil, by Province - Trunk Lines

	British Columbia	Alberta	Saskatchewan	Manitoba	Ontario	Quebec	Canada
	barrels						
<u>Receipts</u>							
Receipts:							
From own gathering system	-	9,811,185	2,957,096	-	-	-	12,768,281
From other gathering systems	-	5,123,520	1,777,822	400,204	-	-	7,301,546
From other carriers (truck and rail)	-	103,763	222,380	-	-	-	326,143
From refineries and processing plants	-	179,165	-	-	-	-	179,165
Imports	-	-	-	-	277,832	5,705,083	5,982,915
Total net receipts	-	15,217,633	4,957,298	400,204	277,832	5,705,083	26,558,050
Transfers from other trunk lines	-	8,635,166	1,887,068	4,586,492	-	-	15,108,726
Transfers from L.P.G.'s.....	-	172,597	-	-	-	-	172,597
Total gross receipts	-	24,025,396	6,844,366	4,986,696	277,832	5,705,083	41,839,373
<u>Disposition</u>							
Deliveries to refineries	1,371,405	1,788,227	1,575,279	1,034,374	7,594,041	5,671,496	19,034,822
Exports	2,773,701	-	-	3,041,561	-	-	5,815,262
To other carriers (truck and rail)	-	-	-	-	-	-	-
To bulk plants, terminals, etc.	-	8,055	-	-	-	-	8,055
Total net deliveries	4,145,106	1,796,282	1,575,279	4,075,935	7,594,041	5,671,496	24,858,139
Transfers to other trunk lines	-	9,981,276	1,856,060	4,586,774	-	-	16,424,110
Total gross deliveries	4,145,106	11,777,558	3,431,339	8,662,709	7,594,041	5,671,496	41,282,249
Pipeline fuel							24,952
Pipeline losses and unaccounted for							15,502
Inventory changes			(provincial breakdown not available)				516,670
Total disposition							41,839,373
Crude oil deliveries to U.S.A. at Gretna, Man.							10,424,378(2)
Crude oil received from U.S.A. at Sarnia, Ont.							7,317,576

(1) Does not agree with deliveries to other trunk lines due to slight differences between company reports, Table 4.

(2) Includes L.P.C.'s and Condensates.

TABLE 4. Receipts and Disposition of Crude Oil and Liquefied Petroleum Gases - Gathering Lines

	Crude Oil Canada	L.P.G.'s Canada	Total August 1961	July 1961	August 1960
			barrels		
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	18,549,650	351,400	18,901,050	18,092,008	14,328,513
By truck and rail	206,486	78,304	284,790	160,867	256,325
Total net receipts	18,756,136	429,704	19,185,840	18,252,875	14,584,838
Transfers from L.P.G.'s to crude oil stream	22,732	-	22,732	22,454	..
Transfers from other gathering systems	990,358	-	990,358	913,182	..
Total gross receipts	19,769,226	429,704	20,198,930	19,188,511	..
<u>Disposition</u>					
Deliveries:					
To own trunk lines	12,768,281	166,044	12,934,325	12,471,979	10,064,038
To other trunk lines	5,891,509	78,219	5,969,728	5,481,648	4,167,892
To other carriers (truck and rail)	70,478	-	70,478	60,354	67,288
Refineries and processing plants	103,667	162,228	265,895	258,182	242,252
Total net deliveries	18,833,935	406,491	19,240,426	18,272,163	14,541,470
Transfers to other gathering systems	929,903	-	929,903	863,565	1,010,610
Transfers to crude oil stream	-	22,732	22,732	22,454	-
Total gross deliveries	19,763,838	429,223	20,193,061	19,158,182	15,522,080
Pipeline fuel	-	-	-	-	..
Pipeline losses and unaccounted for	-16,975	-	-16,975	-22,219	..
Inventory changes	22,363	481	22,844	52,548	..
Total disposition	19,769,226	429,704	20,198,930	19,188,511	..

.. Figures not available.

TABLE 5. Receipts and Disposition of Crude Oil, by Province - Gathering Lines

	Crude oil				
	British Columbia	Alberta	Saskatchewan	Manitoba	Canada
	barrels				
<u>Receipts</u>					
Receipts from fields:					
By gathering systems	37,381	13,414,595	4,732,637	365,037	18,549,650
By truck and rail	-	154,332	17,006	35,148	206,486
Total net receipts	37,381	13,568,927	4,749,643	400,185	18,756,136
Transfers from L.P.G.'s to crude oil stream	-	22,732	-	-	22,732
Transfers from other gathering systems	-	60,455	929,903	-	990,358
Total gross receipts	37,381	13,652,114	5,679,546	400,185	19,769,226
<u>Disposition</u>					
Deliveries:					
To own trunk lines	-	9,811,185	2,957,096	-	12,768,281
To other trunk lines	-	3,713,483	1,777,822	400,204	5,891,509
To other carriers (truck and rail)	-	47,543	22,935	-	70,478
Refineries and processing plants	54,155	49,512	-	-	103,667
Total net deliveries	54,155	13,621,723	4,757,853	400,204	18,833,935
Transfers to other gathering systems	-	-	929,903	-	929,903
Total gross deliveries	54,155	13,621,723	5,687,756	400,204	19,763,838
Pipeline fuel	-	-	-	-	-
Pipeline losses and unaccounted for	-	-	-	-	-16,975
Inventory changes	-	-	-	-	22,363
Total disposition	-	-	-	-	19,769,226

(provincial breakdown not available)

TABLE 6. Inventories of Oil Pipe Lines at end of Month

	Crude oil		L.P.G.'s		Products Trunk	Total August 1961
	Gathering	Trunk	Gathering	Trunk		
	barrels					
Shippers' balances	279,022	11,159,087	4,362	47,812	536,568	12,026,851
Carriers' balances	238,005	1,327,661	473	18,417	5,230	1,589,786
Total inventory	517,027	12,486,748	4,835	66,229	541,798	13,616,637
Oil held in lines	357,211	7,885,140	4,611	22,386	463,925	8,733,273
Oil held in tanks	159,816	4,601,608	224	43,843	77,873	4,883,364
Inventory change, August, 1961	22,363	568,779	481	2,322	41,328	635,273

TABLE 7. Summary of Operating Statistics of Oil Pipe Lines

	Crude oil	L.P.G.'s	Products	All pipelines August, 1961	August ^r 1960	Interprovincial Pipe Line Company (1)	Montreal Pipe Line Company, Ltd.	Trans- Mountain Oil Pipe Line Company
<u>Barrels handled</u>								
<u>Daily average of net deliveries:</u>								
Gathering systems	barrels	607,546	13,113	-	620,659	469,080	-	-
Trunk lines	"	801,875	5,445	123,016	930,336	811,521	435,734	182,951
<u>Daily average of gross deliveries:</u>								
Gathering lines	"	637,543	13,846	-	651,389	500,712	-	-
Trunk lines	"	1,331,685	13,831	123,016	1,468,532	1,224,829	431,763	182,951
<u>Total barrel miles:</u>								
Trunk lines	000's miles	11,713,924	37,536	656,687	12,408,147	9,241,822	7,157,497	400,181
<u>Average miles per barrel:</u>								
Trunk lines	miles	283.8	87.5	172.2	272.6	243.4	529.0	70.6
<u>Operating revenues, 1961:</u>								
Three months ended Mar. 31		23,283,457	99,549	2,623,083	26,006,089	24,930,906	7,366,409	757,942
Six months " June 30		48,162,141	184,816	4,132,891	52,479,848	48,407,967	14,967,794	1,333,977
Nine months " Sept. 30								
Twelve months " Dec. 31								
					dollars			

(1) Includes L.P.G.'s and Condensates.

^r Revised figures.

STATISTICS CANADA LIBRARY
BIBLIOTHEQUE STATISTIQUE CANADA



1010534359