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PIPE LINES (OIL) STATISTICS

OCTOBER, 1957

Net deliveries of oil from Canadian pipelines rose 5.2 p.c. in October to 22,735,509 barrels from 21,617,304 in the previous month but still fell short of last October's 23,801,494 barrels by 4.5 p.c. The October daily average delivery of 733,404 barrels represented a decline of 34,386 barrels from the 767,790 recorded one year ago. Barrel miles dropped to 8,631 million from 10,048 million reflecting as well as the decline in net deliveries a decrease in the average length of haul to 269.6 miles from 296.2.

Total net deliveries of oil for the ten months ended October 31, amounted to 246,065,285 barrels as compared with 224,462,470 barrels recorded one year earlier, an increase of 9.6 p.c. Provincial deliveries in barrels for the period were as follows (1956 data in brackets): British Columbia 50,910,458 (37,927,740); Alberta 11,306,371 (15,597,436); Saskatchewan 14,735,686 (13,824,038); Manitoba 64,304,836 (58,999,057); Ontario 36,170,624 (35,206,125); and Quebec 68,637,310 (62,908,074). Exports via pipe line are shown in a footnote to table 4.

Gathering systems handled on average of 398,097 barrels per day, compared with 425,364 in September and 459,369 barrels in October, 1956. Trunk line deliveries dropped to 1,032,749 barrels daily from 1,057,120 last month and 1,094,474 one year earlier.

Net receipts during the month of October totalled 23,532,059 barrels, increasing from 22,604,390 barrels in September, but decreasing from 25,057,722 barrels one year ago. The receipts for October were comprised of 9,001,055 barrels of Alberta crude and 58,015 barrels of Alberta natural gasoline, 3,643,006 barrels of Saskatchewan crude, 499,453 barrels of Manitoba crude, 6,988,733 barrels of imported crude and 3,341,797 barrels of refinery products.

Employment and wages again showed a slight decrease from the previous month, with 1,733 employees earning \$813,359 as compared with 1,739 employees earning \$820,379. The average wage of \$469 compares with \$472 in September and \$475 in October one year ago.

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,
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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.

	<u>Barrels</u>
Total Received into Systems - all companies - during first ten months of 1957, per table 6	408,944,283
Received into Trunk Lines from other Canadian Pipe Lines	154,719,109
"Net Received" into Canadian Pipe Line Systems	254,225,174
"Net Received" into Trunk Systems per table 1	113,417,517
"Net Received" into Gathering Systems per table 2	140,807,657
 Total Delivered out of Systems - all companies - during first ten months of 1957, per table 6	 407,522,224
Delivered to other Canadian Pipe Lines	161,456,939
"Net Delivered" from Canadian Pipe Line Systems	246,065,285
"Net Delivered" from Trunk Systems per table 1	244,148,335
"Net Delivered" from Gathering Systems per table 2	1,916,950

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, 1957

	<u>Barrels</u>
Total Shippers Balances - January 1, 1957	10,368,770
Total Carriers Balances - January 1, 1957	730,708 11,099,478
Received into Gathering Systems January 1 to October 31, 1957	<u>140,807,657</u>
Received into Trunk Systems January 1 to October 31, 1957	<u>354,664,335</u> 495,471,992
 Total oil accountable for period	 506,571,470
Delivered from Gathering Systems January 1 to October 31, 1957	140,777,411
Delivered from Trunk Systems January 1 to October 31, 1957	<u>353,272,522</u> 494,049,933
 Balance to be accounted for at October 31, 1957	 12,521,537
Oil consumed as fuel and losses January 1 to October 31, 1957	549,766
Balance on hand - October 31, 1957	<u>11,971,771</u>
Total Shippers Balances - October 31, 1957	10,909,347
Total Carriers Balances - October 31, 1957	1,062,424

The Interprovincial Pipe Line Company operates over 1,500 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 has now been extended 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 data for these short sections are not included in Canadian oil pipe line statistics. 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 Sarnia		Crude and Refined Oil Delivered at Sarnia
	Barrels	Clarkson and Port Credit Barrels	Barrels
October, 1956	3,200,226	-	533,574
September, 1957	2,640,513	108,554	461,887
October, 1957	2,877,554	637,649	483,024

TABLE 1

OIL^f CARRIED BY PIPE LINES - TRUNK

	October 1957	September 1957	October 1956	YEAR TO DATE 1957
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	32,016,845	32,125,128	34,236,094	354,664,335
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	7,761,230	7,963,931	8,694,665	86,527,709
3. Other pipe lines - Gathering	4,804,252	5,504,580	3,916,684	46,931,248
4. Trunk	8,314,647	8,812,448	10,872,063	107,787,861
5. <u>Net Received (6+7+8)</u>	11,136,716	9,844,169	10,752,682	113,417,517
6. Originating on own trunk lines	3,714,854	3,507,711	4,058,913	40,524,864
7. Received from foreign pipe line connections	6,988,733	5,884,249	6,519,479	68,673,617
8. Received from other carriers (rail & truck)	433,129	452,209	174,290	4,219,036
9. <u>Total Delivered * (10+11)</u>	32,015,246	31,713,636	33,928,708	353,272,522
10. Less: Delivered to other Canadian trunk lines	9,484,677	10,346,482	10,347,091	109,124,187
11. <u>Net Delivered (12+13+14)</u>	22,530,569	21,367,154	23,581,617	244,148,335
12. Terminated on own trunk lines	14,053,881	13,989,872	15,175,151	157,388,105
13. Delivered to foreign pipe line connections	8,452,569	7,233,485	7,832,108	79,424,255
14. Delivered to other carriers (truck, rail & water)	24,119	143,797	574,358	7,335,975

TABLE 2

OIL^g CARRIED BY PIPE LINES - GATHERING

	October 1957	September 1957	October 1956	YEAR TO DATE 1957
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	12,395,343	12,760,221	14,305,040	140,807,657
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	12,395,343	12,760,221	14,305,040	140,807,657
18. Originating on own gathering system	12,138,900	12,523,208	13,550,917	138,297,244
19. Received from other carriers (rail & truck)	256,443	237,013	754,123	2,510,413
20. <u>Total Delivered * (21+22+23)</u>	12,341,018	12,760,920	14,240,450	140,777,411
Less: Delivered to other pipe lines -				
21. Own Trunk system	7,761,230	7,963,931	8,694,665	86,527,709
22. Other pipe lines	4,374,848	4,546,839	5,325,908	52,332,752
23. <u>Net Delivered (24+25)</u>	204,940	250,150	219,877	1,916,950
24. Terminated on gathering systems	86,007	101,540	112,849	745,596
25. Delivered to other carriers (rail & truck)	118,933	148,610	107,028	1,171,354

^f Includes natural gasoline and refinery products.

* Includes duplications.

^g Includes natural gasoline.

TABLE 3

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

Province		October 1957	September 1957	October 1956	YEAR TO DATE 1957
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	9,001,312	9,720,269	11,942,103	113,307,438
"	- Trunk	128,082	300,882	634,353	4,038,480
Saskatchewan	- Gathering	2,894,578	2,519,168	1,835,328	22,489,274
"	- Trunk	748,428	572,293	23,304	4,494,334
Manitoba	- Gathering	499,453	520,784	527,609	5,010,945
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	1,898,771	1,432,143	2,040,251	19,818,550
Quebec (3)	- Trunk	8,361,435	7,538,851	8,054,774	85,066,153
Net Received	- Gathering	12,395,343	12,760,221	14,305,040	140,807,657
"	" - Trunk	11,136,716	9,844,169	10,752,682	113,417,517
"	" - Total	23,532,059	22,604,390	25,057,722	254,225,174

TABLE 4

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

Province		October 1957	September 1957	October 1956	YEAR TO DATE 1957
		Barrels	Barrels	Barrels	Barrels
British Columbia	- Trunk	3,352,647	4,117,269	4,919,331	50,910,458
Alberta (1)	- Gathering	127,217	147,281	191,952	1,172,667
"	- Trunk	866,615	1,049,658	899,614	10,133,704
Saskatchewan	- Gathering	77,723	102,869	27,925	744,283
"	- Trunk	1,242,436	1,313,624	1,248,904	13,991,403
Manitoba †	- Trunk	6,775,987	5,911,768	6,409,303	64,304,836
Ontario (2)	- Trunk	3,264,964	3,084,689	3,585,501	36,170,624
Quebec	- Trunk	7,027,920	5,890,146	6,518,964	68,637,310
Net Delivered	- Gathering	204,940	250,150	219,877	1,916,950
"	" - Trunk †	22,530,569	21,367,154	23,581,617	244,148,335
"	" - Total	22,735,509	21,617,304	23,801,494	246,065,285
"	" - Daily average	733,404	720,577	767,790	809,425
†	Includes deliveries to U.S. pipe lines, Gretna, Man.	6,338,639	5,009,116	5,555,524	56,006,033
†	Includes exports - via Trans Mountain Oil Pipe Line Company	2,113,930	2,345,787	2,843,522	30,559,213
	via Interprovincial Pipe Line Company	1,595,304	1,370,676	1,150,271	15,996,040

TABLE 5

SUMMARY OF PIPE LINE OPERATING STATISTICS

		October 1957	September 1957	October 1956	YEAR TO DATE 1957
Barrels Handled - Daily Average					
Gathering Systems	Barrels	398,097	425,364	459,369	463,083
Trunk Lines	"	1,032,749	1,057,120	1,094,474	1,162,081
Total Barrel Miles (Trunk Lines)	Millions	8,631	8,512	10,048	98,570
Average Miles Per Barrel (Trunk Lines)	Miles	269.6	268.4	296.2	279.0
Employees and Earnings (6)					
Average Number (4)	No.	1,733	1,739	1,575	17,323
Total Salaries and Wages	\$	813,359	820,379	747,474	7,934,496
Man-Hours Worked by Wage Earners (5) (6)	Hours	78,914	79,211	78,755	819,584

(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 and Valley Pipe Line Company, Ltd.

TABLE 6

TRAFFIC AND OPERATING PIPE LINE STATISTICS, BY COMPANIES

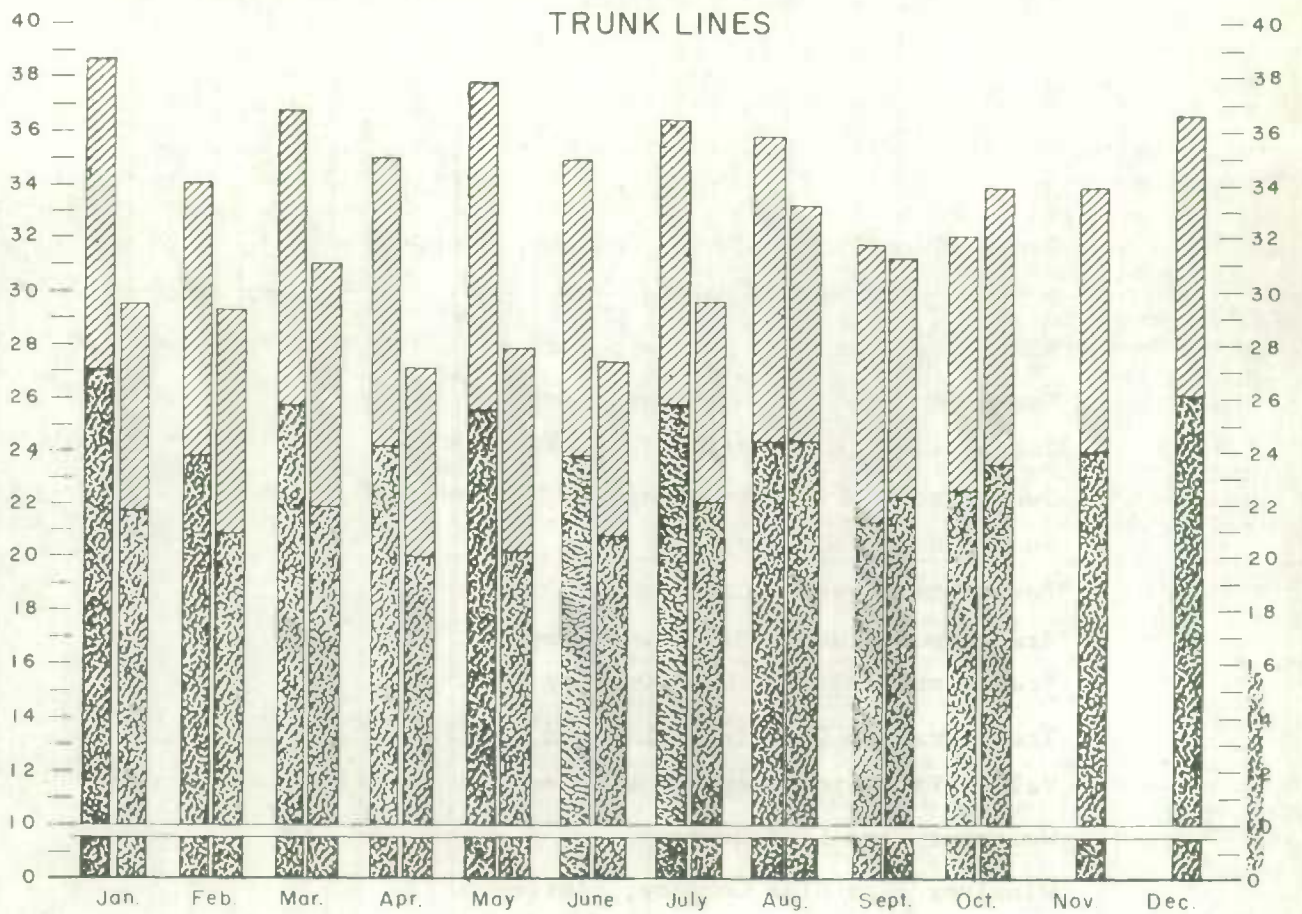
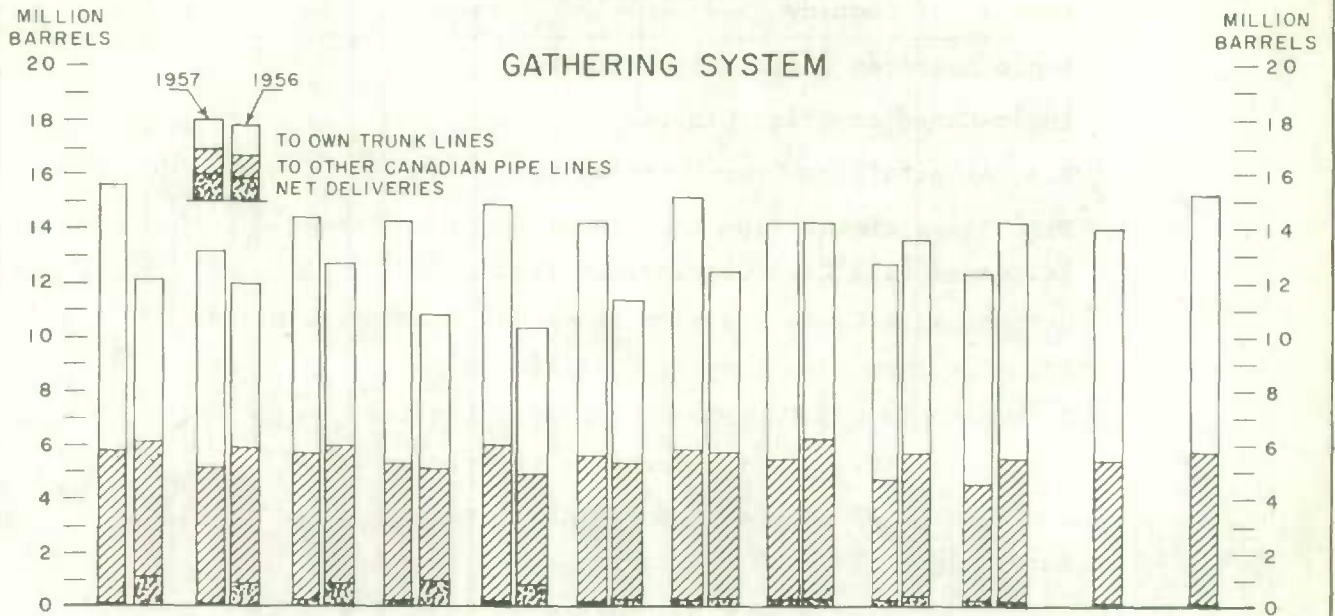
October, 1957

	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*				Barrels			
Total Received into System							
This month October, 1957	2,843,740	8,252,218	6,988,733	3,266,551	2,963,040	(2) 12,336,676	36,650,958
This year (10 months)	38,798,530	85,624,485	68,673,617	51,435,945	32,879,931	(3) 131,531,775	408,944,283
Total Delivered out of System							
This month October, 1957	2,798,081	8,193,305	7,027,920	3,352,647	3,074,956	(4) 12,148,125	36,595,034
This year (10 months)	38,765,488	85,163,582	68,637,310	50,910,458	32,831,405	(5) 131,213,981	407,522,224
OPERATING STATISTICS							
Barrels Handled - Daily Average							
Gathering Lines							
This month October, 1957	90,260	-	-	-	95,044	212,793	398,097
This year (10 months)	127,518	-	-	-	107,114	228,451	463,083
Trunk Lines							
This month October, 1957	-	264,300	226,707	108,150	99,192	334,400	1,032,749
This year (10 months)	-	280,143	225,781	167,469	107,998	380,690	1,162,081
Total Barrel Miles				Miles			
(Trunk Lines - in millions)							
This month October, 1957	-	4,358	518	2,281	214	1,260	8,631
This year (10 months)	-	41,586	5,057	35,140	2,282	14,505	98,570
Average Miles Per Barrel							
(Trunk Lines)							
This month October, 1957	-	532.0	73.7	680.0	69.5	121.6	269.6
This year (10 months)	-	488.0	73.7	690.0	69.5	125.3	279.0
OPERATING REVENUES							
Three Months ending Mar. 31, 1957	978,924	6,030,844	689,958	7,993,435	1,345,090	(7) 6,164,417	23,202,668
Six Months ending June 30, 1957	1,976,693	12,100,462	1,442,523	15,871,051	2,655,293	(7) 13,623,898	47,669,920
Nine Months ending Sept. 30, 1957	2,829,541	18,068,116	2,132,131	22,547,917	4,001,169	(7) 22,090,029	71,668,903
Twelve Months ending Dec. 31,							
EMPLOYEES AND EARNINGS							
Number of Employees October, 1957	165	442	49	279	206	(6) 592	1,733
Salaries and Wages							
This month October, 1957	72,320	213,103	25,199	137,251	94,721	(6) 270,765	813,359
This year (10 months)	711,957	2,032,681	242,405	1,398,755	916,167	(6) 2,632,531	7,934,496
Man-Hours Worked by Wage Earners							
This month October, 1957	18,610	367	529	304	21,305	(6) 37,799	78,914
This year (10 months)	197,133	5,632	12,664	8,576	217,177	(6) 378,402	819,584

* Totals include duplication between companies.

- (1) See list of reporting companies on page 7.
- (2) Includes 3,341,797 bbls. products and 58,015 bbls. natural gasoline.
- (3) Includes 36,874,336 bbls. products and 484,370 bbls. natural gasoline.
- (4) Includes 3,334,183 bbls. products and 54,725 bbls. natural gasoline.
- (5) Includes 36,776,107 bbls. products and 482,913 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 and Valley Pipe Line Company, Ltd.
- (7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Green River Exploration Company; Mobil Oil of Canada Limited and Sarnia Products Line.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1956 AND 1957



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
Cremona Pipe Lines Division (Home Oil Company, Limited)
Edmonton Pipe Line Company, Limited
Gibson Crude Oil Purchasing Company, Limited
Green River Exploration Company, Limited
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
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
Devon-Palmer Oils, Limited

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