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**CANADA**

**DEPARTMENT OF TRADE AND COMMERCE**

**DOMINION BUREAU OF STATISTICS**

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**GENERAL MANUFACTURING STATISTICS**

**MONTHLY REPORT**

OCT 1 51948

**ON**

**CONSUMPTION,**

**PRODUCTION AND INVENTORIES**

**OF RUBBER**

**AUGUST, 1948**



OTTAWA  
1948

Price 25 cents



DEPARTMENT OF TRADE AND COMMERCE  
DOMINION BUREAU OF STATISTICS  
GENERAL MANUFACTURING STATISTICS  
OTTAWA - CANADA

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CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

AUGUST, 1948

The statistics made available monthly in this report are considered only to represent clearly and accurately (a) the new domestic production of synthetic and reclaim rubber, and the inventories of firms reporting this production, and (b) the total consumption of all types of rubber, natural, synthetic and reclaim, whether foreign or domestic, by broad end product use groupings, together with inventories, receipts and sales of rubber by consuming manufacturers in all industries. The additions of the two inventories gives the total stocks held by industry.

It is regretted that comparable export-import data cannot be secured each month, and that, therefore, the total available supply is not accurately known. However, the data given in (b) do ultimately account for the total consumption of rubber in Canada, and should be capable of being correlated with new production and export-import data (as compiled by the External Trade Branch, D. B. S.) over a period of months.

Continuing the trend of recent months, consumption of rubber in August, as compared with July, declined as follows: natural, 755,908 pounds; synthetic, 224,506 pounds; synthetic, 224,508 pounds, and reclaim, 445,166 pounds, the total decline being 1,425,532 pounds. Considering the situation in terms of end product use, it may be noted that the consumption of all rubber in the production of tires and tubes, including tire repair material, declined by 1,614,513 pounds, whereas consumption in rubber footwear increased by 59,951 pounds, wire and cable by 62,360 pounds, and all other by 66,420 pounds.

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section A. Canadian Rubber Balance Statement.

This section includes summary data on natural, synthetic and reclaim rubber, showing stocks, domestic production and domestic consumption. For more detailed data of consumption by specific types and by end products classifications, wherever possible, see Section B, Natural Rubber, Section C, Synthetic Rubber; and Section D, Reclaim Rubber.

Table 1. - Summary Statement of all Rubber Stocks, Domestic Production, Domestic Consumption showing Monthly Averages, 1939 - 1947, and Actual Monthly Totals, January 1947-August 1948.

Weights are given in Long Tons (2,240 pounds)

Period	Stocks, End of Period			Domestic Production		Consumption		
	Natural	Synthetic	Re-claim	Synthetic	Re-claim	Natural	Synthetic	Re-claim
<b>Monthly Averages</b>								
1939 .....	n.a.	n.a.	n.a.	-	-	2,635	-	626
1940 .....	n.a.	n.a.	n.a.	-	-	3,083	-	703
1941 .....	n.a.	n.a.	n.a.	-	-	4,436	-	789
1942 .....	n.a.	n.a.	4,560	-	-	5,512	-	1,042
1943 .....	8,165	2,292	4,822	210	592	2,434	307	1,166
1944 .....	5,699	5,641	5,516	2,902	265	799	2,061	1,052
1945 .....	5,703	4,107	2,219	5,810	276	491	2,995	1,275
1946 .....	5,662	5,592	2,786	4,248	551	792	2,468	1,178
1947 .....	6,992	4,333	2,672	5,553	344	2,690	2,432	1,360
1947 - Jan. ....	3,729	4,316	5,195	4,408	329	2,153	3,195	1,533
Feb. ....	2,876	4,551	5,114	4,024	330	2,224	2,823	1,463
Mar. ....	4,473	5,344	2,872	4,466	360	2,440	2,876	1,570
Apr. ....	7,187	5,473	2,931	4,628	360	2,476	2,942	1,395
May ....	9,992	4,953	2,772	3,467	359	2,643	2,889	1,438
June ....	10,108	4,488	2,599	3,592	534	2,627	2,540	1,299
July ....	10,045	5,753	2,629	3,480	225	2,435	2,059	1,120
Aug. ....	9,679	4,269	2,680	3,555	298	2,192	1,719	985
Sept. ....	8,129	5,349	2,451	1,944	337	3,226	2,113	1,393
Oct. ....	7,167	5,475	2,440	5,054	424	3,350	2,080	1,397
Nov. ....	5,260	5,846	2,093	2,953	372	3,216	1,962	1,417
Dec. ....	5,264	4,200	2,282	5,064	397	3,514	1,980	1,314
1948 - Jan. ....	5,759	3,921	2,246	3,648	371	3,458	2,081	1,539
Feb. ....	5,704	4,062	2,162	3,388	583	3,474	1,886	1,216
Mar. ....	5,585	5,862	2,041	3,560	427	5,882	1,797	1,359
Apr. ....	5,853	4,074	2,181	2,787	391	3,694	1,865	1,172
May ....	5,400	5,337	2,358	3,647	382	5,328	1,588	1,020
June ....	5,177	5,252	2,185	2,841	568	5,762	1,771	1,205
July ....	5,478	5,525	1,916	2,750	210	2,909	1,402	951
August ....	6,821	4,972	2,070	2,720	559	2,571	1,501	752

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 2(a). - NEW SUPPLY. Statement of Manufacturers producing Synthetic and Reclaim Rubber.  
(Weight in Long Tons)

Type of Rubber	Inventory August 1, 1948	Production	Inventory August 31, 1948
<u>Natural Rubber -</u>			
Crude Rubber .....	-	-	-
Natural Latex .....	31	-	39
Total Natural Rubber .....	31	-	39
<u>Synthetic Rubber -</u>			
Buna-S, Solid .....	1,971	1,902	2,069
Buna-S, Latex .....	57	136	37
Bunn-N, Solid .....	32	17	27
Butyl, Solid .....	1,563	665	1,207
Neoprene .....	62	-	40
All other .....	-	-	-
Total Synthetic Rubber .....	3,685	2,720	3,380
Total Natural and Synthetic Rubber .....	3,716	2,720	3,419
<u>Reclaim Rubber -</u>			
Dispersions .....	20	31	24
Other than dispersions .....	225	328	197
Total Reclaim Rubber .....	245	359	221
<b>GRAND TOTAL .....</b>	<b>3,961</b>	<b>3,079</b>	<b>3,640</b>

Table 2(b). - CONSUMPTION. Statement of Manufacturers Consuming Rubber

Type of Rubber	Inventory August 1, 1948	Receipts (imports, etc.)	Con- sumption	Sales (exports, etc.)	Inventory August 31, 1948
<u>Natural Rubber -</u>					
Crude Rubber .....	5,255	3,892	2,503	20	6,624
Natural Latex .....	192	34	68	-	158
Total Natural Rubber .....	5,447	3,926	2,571	20	6,782
<u>Synthetic Rubber -</u>					
Buna S .....	1,398	962	1,062	-	1,298
Butyl .....	120	212	137	-	195
Neoprene .....	98	76	91	-	83
All other .....	22	9	11	4	16
Total Synthetic Rubber .....	1,638	1,259	1,301	4	1,592
Total Natural and Synthetic Rubber .....	7,085	5,185	3,872	24	8,374
<u>Reclaim Rubber -</u>					
Dispersions .....	55	50	48	-	57
Other than dispersions .....	1,616	880	704	-	1,792
Total Reclaim Rubber .....	1,671	930	752	-	1,849
<b>GRAND TOTAL .....</b>	<b>8,756</b>	<b>6,115</b>	<b>4,624</b>	<b>24</b>	<b>10,223</b>

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 3(a). - Consumption of all rubber, by main types and by end product classification, August, 1948.

End Products	Natural	Synthetic	Reclaim	Total All rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials .....	4,145,675	1,959,782	747,465	6,850,892
2. Wire and cable .....	68,123	158,815	40,533	267,469
3. Footwear (including heels, soles, etc.) .....	667,690	273,446	159,940	1,101,076
4. Other products .....	879,944	522,994	787,114	2,140,052
TOTAL .....	5,759,432	2,915,035	1,665,022	10,339,489

Table 3(b). - Consumption of All Rubber, by Main Types and by End Product Classification, July, 1948.

End Products	Natural	Synthetic	Reclaim	Total All rubber
	Pounds	Pounds	Pounds	Pounds
1. Tires and tubes, including tire repair materials .....	5,125,902	2,298,852	1,040,451	8,465,205
2. Wire and cable .....	46,192	137,012	21,905	205,109
3. Footwear (including heels, soles, etc.) .....	614,786	217,452	208,887	1,041,125
4. Other products .....	728,460	486,227	858,945	2,073,632
TOTAL .....	6,515,340	3,139,543	2,180,108	11,735,071

Tire repair materials, now included with tires and tubes, and mechanical goods now included with other products, were shown separately previous to January, 1948. The present grouping is by arrangement with the Rubber Association of Canada.

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section B, Natural Rubber

The July and August, 1948, consumption of Natural Rubber showing crude rubber and natural latex separately, and arranged according to end products classifications, is shown in Tables 6(a) and 6(b).

Summary Data, by months, January, 1947 to August, 1948 are shown in Table 3, and 1939 - 1947 yearly totals, monthly averages and percentages of natural rubber to all rubber consumed, are given in Table 4. Crude rubber and natural latex do not appear separately in summary tables, but are combined under the heading "Natural".

For summary data on Synthetic, Natural and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1. However, when comparing monthly consumption of natural rubber, as given in Table 1, with consumption as shown in detailed tables by end product classification, it should be noted that in Table 1, Guayule Rubber is reduced to a deresinated basis, whereas in the detailed tables it is included at the weight reported by the firms. Commencing with March 1, 1947, poundage Guayule included in all tables is on a deresinated basis, and totals should, therefore agree.

Table 4. - Consumption of Natural Rubber in Total, showing Monthly Averages 1939-1947 and percentages of Natural to All Rubber consumed.

<u>Year</u>	Total Pounds	Monthly Averages Pounds	Percentage to All Rubber Per cent
1939 .....	70,828,800	5,902,400	80.8
1940 .....	82,871,040	6,905,920	81.4
1941 .....	119,259,680	9,956,640	84.9
1942 .....	94,402,560	7,866,880	77.1
1943 .....	65,425,920	5,452,160	62.3
1944 .....	21,477,120	1,789,760	20.4
1945 .....	13,198,080	1,099,840	10.3
1946 .....	21,459,268	1,788,275	17.8
1947 .....	72,294,000	6,024,500	41.5

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 5. - Consumption of Natural Rubber in Total, by End Products, and by Months, January, 1947 to August, 1948,  
Showing also percentage of Natural to All rubber Consumed.

Month	Natural		Used in the manufacture of -					
	Total 000's pounds	Percentage of All rubber Per cent	Tires and tubes 000's pounds	Repairs Materials 000's pounds	Mechanical Goods 000's pounds	Wire and Cable 000's pounds	Footwear 000's pounds	Other Products 000's pounds
1947 - January .....	4,824	31.3	3,925	56	256	20	436	150
February .....	4,982	34.2	3,990	50	290	24	507	119
March .....	5,465	35.4	4,275	42	325	22	624	178
April .....	5,546	36.5	4,375	42	302	25	612	190
May .....	5,921	37.9	4,473	50	354	35	792	237
June .....	5,685	40.6	4,361	39	387	45	788	265
July .....	5,448	43.3	4,130	36	410	14	641	214
August .....	4,909	44.8	3,285	58	366	56	962	222
September ...	7,228	47.9	5,240	47	581	55	991	316
October .....	7,459	48.9	5,348	56	701	83	939	362
November ....	7,205	48.8	5,305	56	595	59	884	310
December ....	7,422	50.1	5,545	57	623	92	813	292
1948 - January .....	7,744	50.5	5,656	(1)	(2)	88	898	1,122
February .....	7,782	52.8	5,743	(1)	(2)	71	958	1,010
March .....	8,695	55.2	6,215	(1)	(2)	90	1,115	1,275
April .....	8,275	54.9	5,952	(1)	(2)	102	1,130	1,091
May .....	7,457	56.1	5,264	(1)	(2)	80	1,047	1,066
June .....	8,426	55.8	6,189	(1)	(2)	91	1,057	1,089
July .....	6,515	55.3	5,126	(1)	(2)	46	615	728
August .....	5,759	55.6	4,144	(1)	(2)	68	667	880

(1) Included with "tires and tubes".

(2) Included with "other products".

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 6(a). - Consumption of Natural Rubber, by Types and by End Product Classification, August, 1948.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds		Pounds
1. Tires and tubes, including tire repair materials .....	4,133,656	10,019	4,143,675
2. Wire and cable .....	68,123	-	68,123
3. Footwear (including heels, soles, etc.) .....	666,555	1,135	667,690
4. Other Products .....	738,783	141,161	879,944
TOTAL .....	5,607,117	152,315	5,759,432

Table 6(b). - Consumption of Natural Rubber, by Types and by End Product Classification, July, 1948.

End Products	Natural Rubber (excluding latex)	Latex	Total Natural
	Pounds		Pounds
1. Tires and tubes, including tire repair materials .....	5,105,596	20,306	5,125,902
2. Wire and cable .....	46,192	-	46,192
3. Footwear (including heels, soles, etc.) .....	613,792	994	614,786
4. Other products .....	640,692	87,768	728,460
TOTAL .....	6,406,272	109,068	6,515,340

Tire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January 1948. The present grouping is by arrangement with the Rubber Association of Canada.

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Section C. Synthetic Rubber

The July and August, 1948 consumption of Synthetic Rubber is shown by type, and by end products classification, in Table 10.

Summary data, by months are shown in Tables 8 and 9, while 1943 - 1947 yearly totals and monthly averages are given in Table 7.

For summary data on Synthetic and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1.

Table 7. - Consumption of Synthetic Rubber in Total, showing Monthly Averages, 1943 - 1947 and Percentages of Synthetic Rubber to All Rubber Consumed.

<u>Year</u>	<u>Total</u>	<u>Monthly Average</u>	<u>Percentage</u>
1943 .....	8,282,160 pounds	687,680 pounds	7.9
1944 .....	55,599,680 "	4,616,640 "	52.7
1945 .....	80,505,600 "	6,708,800 "	62.9
1946 .....	66,357,970 "	5,529,831 "	55.6
1947 .....	65,567,660 "	5,447,305 "	57.5

Table 8. - Consumption of Synthetic Rubber, by Types and by Months, January 1947 to August 1948.

Month	Buna S	Butyl	Neoprene	Other	Total
	Pounds	Pounds	Pounds	Pounds	Pounds
1947 - January .....	5,710,124	1,199,052	230,720	18,176	7,158,049
February .....	5,034,216	1,095,348	176,960	18,814	6,325,338
March .....	5,122,804	1,001,714	241,890	76,249	6,442,657
April .....	5,201,926	1,162,252	217,750	9,477	6,591,405
May .....	5,155,107	1,092,810	225,866	16,464	6,470,247
June .....	4,447,404	960,058	219,914	63,014	5,690,370
July .....	3,689,525	759,452	146,944	15,129	4,611,050
August .....	3,059,955	665,754	116,599	10,525	3,852,631
September .....	3,661,506	882,350	177,278	13,099	4,734,013
October .....	3,607,660	858,690	174,591	18,650	4,659,579
November .....	3,594,278	815,672	169,987	16,585	4,396,522
December .....	3,580,775	925,781	122,208	7,035	4,455,799
1948 - January .....	3,595,044	925,787	130,949	16,929	4,664,709
February .....	3,521,624	755,907	146,740	22,880	4,225,551
March .....	3,373,629	460,765	165,141	26,260	4,025,803
April .....	3,508,423	446,590	204,995	20,493	4,180,801
May .....	2,969,025	385,312	164,528	20,880	3,559,548
June .....	3,223,223	524,704	191,943	26,019	3,965,889
July .....	2,614,210	386,787	125,008	13,543	3,139,543
August .....	2,580,019	306,453	204,508	24,055	2,915,065

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 9. - Consumption of Synthetic Rubber, in Total, by End Products, and by Months, January, 1947-August, 1948 showing also Percentage of Synthetic to all Rubber Consumed.

Month	Synthetic Rubber		Used in the Manufacture of -					
	Total 000's pounds	Percentage of All Rubber Per cent	Tires and Tubes 000's pounds	Repair Materials 000's pounds	Mechanical Goods 000's pounds	Wire and Cable 000's pounds	Footwear 000's pounds	Other Products 000's pounds
1947 - January ....	7,158	46.4	5,194	95	849	183	377	459
February ...	6,325	43.3	4,828	91	474	164	375	395
March .....	6,445	41.8	4,717	63	670	168	519	306
April .....	6,591	43.2	4,774	69	646	165	575	362
May .....	6,470	41.5	4,877	51	586	231	401	325
June .....	5,690	39.3	4,340	37	616	164	210	324
July .....	4,611	36.7	3,532	37	446	114	307	175
August .....	3,855	35.1	2,876	33	511	155	314	163
September ..	4,734	31.4	3,370	37	517	208	378	224
October ....	4,660	30.6	3,385	27	436	190	365	257
November ...	4,397	29.7	3,158	45	368	253	323	250
December ...	4,456	30.0	3,381	61	334	157	314	189
1948 - January ....	4,665	30.2	3,495	(1)	(2)	203	365	602
February ...	4,225	28.7	3,076	(1)	(2)	183	364	600
March .....	4,026	25.5	2,830	(1)	(2)	265	338	602
April .....	4,181	27.7	2,981	(1)	(2)	254	310	636
May .....	3,560	26.7	2,504	(1)	(2)	205	319	532
June .....	3,966	26.3	2,750	(1)	(2)	228	339	649
July .....	3,139	26.6	2,299	(1)	(2)	137	217	486
August ....	2,915	28.1	1,960	(1)	(2)	159	273	523

(1) Included with "tires and tubes". (2) Included with "other products".

CONSUMPTION, PRODUCTION AND INVENTORIES OF RUBBER

Table 10(a). - Consumption of Synthetic Rubber, by Types and by End Product Classification, August, 1948.

End Products	Buna S Pounds	Butyl Pounds	Neoprene Pounds	Other Pounds	Total Synthetic Pounds
1. Tires and tubes, including tire repair materials ..	1,660,061	299,027	694	-	1,959,782
2. Wire and cable .....	115,281	-	43,552	-	158,813
3. Footwear (including heels, soles, etc.) .....	265,550	796	1,346	5,974	275,446
4. Other products .....	339,347	6,630	158,956	18,081	522,994
TOTAL .....	2,380,019	306,453	204,508	24,055	2,915,035

Table 10(b). - Consumption of Synthetic Rubber, by Types and by End Product Classification, July, 1948.

End Products	Buna S Pounds	Butyl Pounds	Neoprene Pounds	Other Pounds	Total Synthetic Pounds
1. Tires and tubes, including tire repair materials ..	1,916,524	381,241	1,087	-	2,298,852
2. Wire and cable .....	108,112	-	28,900	-	137,012
3. Footwear (including heels, soles, etc.) .....	215,651	-	1,181	620	217,452
4. Other products .....	375,923	5,546	95,835	12,925	486,227
TOTAL .....	2,614,210	386,787	125,003	13,543	3,139,543

Tire repair materials, now included with tires and tubes, and mechanical goods, now included with other products, were shown separately previous to January 1948. The present grouping is by arrangement with The Rubber Association of Canada.

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Section D. Reclaim Rubber

Tables 11 and 12 give the consumption of Reclaim in total, for the years 1939-1947 with monthly averages for each year and broken down into Dispersions and Other than Dispersions, by actual months, Jan. 1947 to August, 1948. Consumption of Reclaim, in total only, by end product classification is given in Tables 3(a) and 3(b) for July and August 1948.

For summary data on Reclaim, Synthetic, and other rubber stocks, domestic production, domestic consumption, expressed in long tons, see Table 1.

Table 11. - Consumption of Reclaim Rubber in Total, and by Monthly Averages, 1939 - 1947, showing also percentages of Reclaim to all rubber consumed.

<u>Year</u>	<u>Total</u>	<u>Monthly Averages</u>	<u>Percentage to All Rubber</u>
1939 .....	16,826,880	1,402,240	19.2
1940 .....	18,896,640	1,574,720	18.6
1941 .....	21,208,320	1,767,360	15.1
1942 .....	28,008,960	2,334,080	22.9
1943 .....	31,342,080	2,611,840	29.8
1944 .....	28,277,760	2,356,480	26.9
1945 .....	34,298,880	2,858,240	26.8
1946 .....	31,673,600	2,639,467	26.6
1947 .....	36,418,788	3,034,899	21.0

Table 12. - Consumption of Reclaim Rubber, by Types and by Months, Jan. 1947 to August, 1948, showing percentage of Reclaim to All Rubber Consumed.

Month	Dispersions	Other than Dispersions	Total	<u>Percentage to All Rubber</u>
				Pounds Per cent
1947 - January .....	147,840	5,286,080	5,433,920	22.5
	129,920	5,147,200	5,277,120	22.5
	154,592	5,581,357	5,515,749	22.8
	202,416	2,922,378	5,124,794	20.5
	168,592	5,053,254	5,221,826	20.6
	166,105	2,744,499	2,910,604	20.1
	144,393	2,365,824	2,510,217	20.0
	130,975	2,071,196	2,202,171	20.1
	158,296	2,963,932	3,122,228	20.7
	145,241	2,984,191	3,129,432	20.5
	140,170	5,034,554	5,174,704	21.5
	125,594	2,818,269	2,943,863	19.9
1948 - January .....	115,948	2,886,095	3,000,043	19.5
	115,805	2,608,102	2,723,907	18.5
	149,175	2,893,982	3,043,157	19.3
	135,727	2,491,562	2,627,289	17.4
	102,679	2,182,470	2,285,149	17.2
	135,761	2,561,918	2,697,679	17.9
	108,040	2,022,148	2,130,188	18.1
	108,022	1,577,000	1,685,022	16.3

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