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Chainwear Testing Data Sorted from Longest Lasting to Shortest

Chain	Hours Run Before 1% Stretch	Miles @ 31 mi/hr	Start Length (mm)	%	5h (mm)	%	10h R (mm)	%	10h L (mm)	%	15h (mm)	%	15h (mm)	%	15h (mm)	%	15h (mm)	%		
Connex 10sX	114	3534	800.50	0.05	800.50	0.05	801.90	0.22	802.70	0.33	803.60	0.44	804.50	0.55	805.40	0.66	806.30	0.77	807.20	0.89
Connex 10s1	99	3069	800.30	0.02	800.30	0.02	801.10	0.13	801.70	0.20	802.20	0.26	803.40	0.41	804.80	0.59	806.50	0.80	808.20	1.01
Campagnolo Veloce	94	2914	800.10	0.00	800.10	0.00	800.60	0.06	801.00	0.11	801.60	0.19	802.90	0.35	804.90	0.60	806.90	0.85	808.90	1.10
Campagnolo Record	83	2573	800.40	0.04	800.60	0.06	801.10	0.13	801.70	0.20	802.60	0.31	804.00	0.49	806.30	0.77	808.30	1.02	810.30	1.27
Shimano HG-X 74	81	2511	800.70	0.08	800.80	0.09	801.30	0.15	802.40	0.29	803.30	0.40	804.50	0.55	806.30	0.77	808.90	1.10	811.50	1.43
KMC 10SL Gold	68	2108	800.60	0.06	801.30	0.15	802.60	0.31	804.10	0.50	805.70	0.70	807.30	0.90	809.50	1.18	811.70	1.45	813.90	1.72
Connex 10s8	67	2077	800.50	0.05	800.90	0.10	801.90	0.22	802.90	0.35	804.60	0.56	806.10	0.75	808.60	1.06	811.10	1.38	813.60	1.69
Connex 10s0	66	2046	800.50	0.05	800.50	0.05	802.00	0.24	803.20	0.39	804.80	0.59	806.40	0.79	808.90	1.10	811.40	1.41	814.00	1.74
Shimano CN 7801	64	1984	801.00	0.11	801.00	0.11	801.70	0.20	802.40	0.29	803.70	0.45	806.50	0.80	809.60	1.19	812.70	1.58	815.80	1.96
Shimano CN 7900	63	1953	800.80	0.09	800.80	0.09	801.60	0.19	802.30	0.27	804.20	0.51	806.70	0.83	809.80	1.21	813.00	1.61	816.20	2.01
KMC 10L Silver	61	1891	802.70	0.33	802.90	0.35	803.80	0.46	805.00	0.61	806.00	0.74	807.20	0.89	809.30	1.15	811.40	1.41	813.50	1.68
KMC 10 Gold	59	1829	802.00	0.24	802.20	0.26	802.90	0.35	804.30	0.52	805.40	0.66	806.70	0.83	808.40	1.04	810.10	1.25	811.80	1.46
Yaban SL 101 Ti	55	1705	799.80	-0.04	800.80	0.09	803.20	0.39	804.90	0.60	806.60	0.81	808.20	1.01	810.30	1.27	812.40	1.54	814.50	1.80
Shimano CN 6601	52	1612	801.20	0.14	801.30	0.15	802.20	0.26	804.00	0.49	806.00	0.74	808.60	1.06	811.20	1.39	813.80	1.71	816.40	2.04
SRAM PC 1090 R	51	1581	801.10	0.13	801.90	0.22	803.30	0.40	805.30	0.65	806.90	0.85	808.80	1.09	810.70	1.33	812.60	1.56	814.50	1.80
SRAM PC 1050	48	1488	801.00	0.11	801.10	0.13	802.10	0.25	804.10	0.50	806.70	0.83	809.20	1.14	811.70	1.45	814.20	1.76	816.70	2.08
SRAM PC 1090	41	1271	800.90	0.10	801.40	0.16	803.10	0.38	805.50	0.67	807.90	0.97	810.50	1.30	813.10	1.63	815.70	1.95	818.30	2.27
SRAM PC 1070	41	1271	801.20	0.14	802.20	0.26	804.10	0.50	805.70	0.70	807.90	0.97	810.70	1.33	813.50	1.68	816.30	2.02	819.10	2.38
Point SL 101 Ti	36	1116	801.10	0.13	802.30	0.27	805.20	0.64	807.10	0.88	808.60	1.06	810.10	1.25	811.60	1.44	813.10	1.63	814.60	1.81

DIN reference length for new chains is 63 links for a length of 800.10 mm. Amount of "stretch" before a chain is considered worn out is 1.0% (8.00 mm) for a total "stretched" length of 808.10mm.

Graph of Chainwear Test Results

zero degree = 800,10 mm
 increase 1,0 % = 808,10 mm (8,00 mm)

chainwear test 10 speed 2010

