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Life Test Data – Paper (2x.65 mil) Capacitors
Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 3-22-73

Temp, °C	R.T.	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Voltage	600	870	870	870	870	870	870	870	870	870	870	900	930	960
Time, hrs	0	139	307	475	715	883	1051	1196	1364	1554	1698	158	168	168
1X-Treated 26.3% H230L (desulferized & dist'l), 48.7% dist. Santisol 100, 25.0% TXS (P.P. Batch), dist. & Na_2CO_3 Treated) +0.3% Unox 221 (F-#2, 1-15-73) (Imp. 3-14-73)														
Capacitors														
#1	.00345	.00327	.00325	.00317	.00313	.00313	.00310	.00311	.00311	.00310	.00310	.00313	.00317	.00321
(mfd)	1.936	1.835	1.835	1.836	1.836	1.835	1.836	1.837	1.837	1.840	1.840	1.838	1.837	1.838
#2	.00343	.00335	.00326	.00328	.00326	.00324	.00322	.00320	.00319	.00320	.00319	.00322	.00324	.00326
(mfd)	1.951	1.845	1.845	1.845	1.845	1.844	1.844	1.845	1.846	1.848	1.848	1.846	1.846	1.846
#3	.00346	.00338	.00330	.00328	.00326	.00324	.00322	.00322	.00321	.00321	.00321	.00324	.00325	.00333
(mfd)	1.938	1.838	1.838	1.838	1.838	1.837	1.837	1.838	1.839	1.841	1.841	1.840	1.839	1.839
#4	.00365	.00347	.00339	.00334	.00335	.00328	.00325	.00328	.00329	.00330	.00332	.00335	.00335	.00337
(mfd)	1.953	1.843	1.843	1.843	1.843	1.842	1.842	1.843	1.844	1.847	1.847	1.846	1.845	1.845
#5	.00361	.00346	.00339	.00340	.00331	.00331	.00330	.00330	.00328	.00329	.00329	.00332	.00333	.00335
(mfd)	1.966	1.861	1.861	1.861	1.862	1.861	1.862	1.862	1.863	1.866	1.866	1.865	1.864	1.865
#6	.00343	.00348	.00339	.00335	.00336	.00338	.00330	.00333	.00335	.00334	.00334	.00337	.00339	.00339
(mfd)	1.973	1.868	1.867	1.868	1.868	1.869	1.868	1.869	1.870	1.872	1.872	1.871	1.871	1.871
#7	.00353	.00351	.00345	.00339	.00338	.00341	.00334	.00332	.00332	.00330	.00330	.00332	.00335	.00335
(mfd)	1.957	1.854	1.854	1.854	1.854	1.853	1.854	1.854	1.855	1.857	1.857	1.856	1.855	1.856
#8	.00344	.00352	.00344	.00343	.00338	.00340	.00339	.00336	.00338	.00340	.00342	.00347	.00343	.00344
(mfd)	1.955	1.854	1.853	1.854	1.854	1.853	1.853	1.854	1.855	1.857	1.858	1.856	1.856	1.856
Avg.	.00350	.00343	.00336	.00333	.00331	.00330	.00327	.00327	.00327	.00327	.00327	.00330	.00331	.00334
(mfd)	1.953	1.850	1.850	1.850	1.850	1.849	1.850	1.850	1.851	1.853	1.853	1.852	1.852	1.852

DSW 283921

STLCOPCB406340

Life Test Data – Paper (2X, 66 Mil) Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

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Test Started 3-22-73

Temp, °C	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°	90°
Voltage	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Time, hrs	168	336	504	672	826	994	1162	1330	1498	1694	1838	2006	2174	2342	2510

1X Treated 26.3% H230L (desulferized & dist.)
48.7% dist. Santisol 100,
25% TXS (P.P.Ba#4, dist. & Na_2CO_3 treated)
+0.3% Unox 221 (Gr#3, 1-15-73)
(Imp 3-14-73)

Capacitors

#1	.00320	.00324	.00324	.00327	.00330	.00330	.00332	.00333	.00336	.00348	.00343	.00347	.00349	.00354	.00355
(ufd)	1.838	1.837	1.838	1.838	1.840	1.840	1.840	1.840	1.840	1.842	1.841	1.840	1.840	1.840	1.840
#2	.00327	.00333	.00332	.00332	.00334	.00336	.00336	.00336	.00337	.00342	.00339	.00344	.00344	.00346	.00346
(ufd)	1.845	1.845	1.845	1.845	1.848	1.848	1.848	1.848	1.849	1.850	1.849	1.848	1.848	1.848	1.848
#3	.00330	.00331	.00332	.00334	.00337	.00336	.00336	.00337	.00337	.00342	.00339	.00344	.00344	.00345	.00346
(ufd)	1.839	1.838	1.839	1.839	1.842	1.841	1.841	1.841	1.842	1.844	1.843	1.842	1.842	1.842	1.842
#4	.00337	.00337	.00345	.00339	.00343	.00342	.00343	.00343	.00346	.00353	.00357	.00357	.00359	.00361	.00364
(ufd)	1.845	1.844	1.844	1.845	1.848	1.847	1.847	1.847	1.848	1.849	1.848	1.847	1.847	1.847	1.847
#5	.00333	.00336	.00339	.00337	.00340	.00342	.00341	.00342	.00341	.00344	.00344	.00347	.00346	.00346	.00347
(ufd)	1.864	1.864	1.864	1.865	1.868	1.867	1.867	1.867	1.868	1.870	1.869	1.868	1.868	1.868	1.868
#6	.00340	.00342	.00343	.00344	.00347	.00348	.00350	.00352	.00353	.00358	.00357	.00361	.00363	.00365	.00367
(ufd)	1.871	1.870	1.871	1.871	1.874	1.873	1.874	1.874	1.874	1.876	1.875	1.874	1.874	1.874	1.874
#7	.00336	.00340	.00338	.00340	.00342	.00344	.00344	.00345	.00347	.00352	.00350	.00355	.00357	.00358	.00367
(ufd)	1.855	1.855	1.855	1.855	1.858	1.857	1.858	1.858	1.858	1.859	1.859	1.858	1.858	1.858	1.858
#8	.00342	.00344	.00345	.00351	.00349	.00346	.00347	.00350	.00351	.00357	.00355	.00361	.00365	.00366	.00369
(ufd)	1.856	1.855	1.856	1.856	1.859	1.858	1.858	1.858	1.858	1.859	1.859	1.858	1.858	1.858	1.858
Avg.	.00333	.00336	.00337	.00338	.00340	.00341	.00341	.00342	.00343	.00349	.00347	.00352	.00353	.00355	.00358
(ufd)	1.852	1.851	1.851	1.851	1.855	1.854	1.854	1.854	1.855	1.856	1.855	1.854	1.854	1.854	1.854

DSW 283922

STLCOPCB4065341

Life Test Data – Paper (2X.66 Mil) Capacitors
Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 3-22-73

Temp, °C	90°	90°
Voltage	1000	1000
Time, hrs	2678	2846

1X treated 26.3% H230L (Dist + desulfurized)
48.7% Dist. Santicizer 100
25% TXS (P.P. Bottoms, dist. + Na_2CO_3 treated)
+0.3% Unox 221 (Grd 2, 1-15-73)
(Imp. 3-14-73)

Capacitors

#1	.00356	.00358
(mfd)	1.840	1.840
#2	.00350	.00349
(mfd)	1.848	1.848
#3	.00347	.00348
(mfd)	1.842	1.842
#4	.00368	.00369
(mfd)	1.847	1.847
#5	.00348	.00348
(mfd)	1.868	1.868
#6	.00369	.00372
(mfd)	1.874	1.874
#7	.00365	.00367
(mfd)	1.858	1.858
#8	.00372	.00375
(mfd)	1.858	1.858
Avg	.00359	.00361
(mfd)	1.854	1.854

DSW 283923
STLCOPCB4065342