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

Test Started 3-22-73

Temp, °C	RT.	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

1XTreated MCS1476
26.3% Undistilled H230L
48.7% Undistilled Santovl 100
25.0% TXS (P.P.Ba#4, dist. & Na_2CO_3 Treated)
+0.3% Unox 221 (Imp. 1-15-73)
(Imp. 3-13-73)

Capacitors

#1	.00349	.00331	.00321	.00315	.00311	.00310	.00309	.00316	.00319	.00320	.00317			
(ufd)	1.942	1.837	1.837	1.837	1.837	1.836	1.836	1.840	1.840	1.842	1.842	147.5 hrs.		
#2	.00365	.00341	.00335	.00330	.00322	.00322	.00317	.00315	.00313	.00312	.00311	.00312	.00812	.00320
(ufd)	1.977	1.872	1.873	1.873	1.873	1.872	1.873	1.875	1.876	1.877	1.877	1.876	1.876	1.876
#3	.00353	.00347	.00341	.00333	.00330	.00330	.00326	.00324	.00321	.00320	.00319	.00319	.00321	.00331
(ufd)	1.967	1.861	1.861	1.861	1.861	1.860	1.860	1.862	1.863	1.864	1.864	1.863	1.862	1.862
#4	.00357	.00344	.00337	.00332	.00332	.00333	.00329	.00328	.00327	.00325	.00325	.00324	.00326	.00332
(ufd)	1.949	1.845	1.845	1.846	1.846	1.845	1.846	1.848	1.848	1.850	1.850	1.848	1.848	1.848
#5	.00371	.00350	.00340	.00334	.00336	.00334	.00332	.00327	.00327	.00328	.00328	.00329	.00334	.00340
(ufd)	1.983	1.875	1.874	1.874	1.875	1.873	1.873	1.876	1.876	1.878	1.878	1.876	1.876	1.876
#6	.00352	.00360	.00351	.00346	.00347	.00346	.00344	.00344	.00346	.00353	.00356	.00356	.00361	.00370
(ufd)	1.957	1.849	1.848	1.849	1.849	1.847	1.848	1.850	1.851	1.853	1.853	1.851	1.849	1.850
#7	.00348	.00361	.00350	.00346	.00343	.00343	.00343	.00340	.0034	.00343	.00345	.00352	.00359	.00373
(ufd)	1.965	1.857	1.857	1.857	1.857	1.856	1.857	1.860	1.860	1.861	1.862	1.859	1.858	1.858
#8	.00348	.00356	.00347	.00343	.00348	.00347	.00348	.00348	.00350	.00352	.00352	.00351	.00352	.00358
(ufd)	1.975	1.867	1.867	1.867	1.867	1.866	1.866	1.869	1.869	1.871	1.871	1.869	1.867	1.868
Avg.	.00355	.00349	.00340	.00335	.00334	.00333	.00331	.00330	.00331	.00332	.00332	.00335	.00338	.00346
(ufd)	1.964	1.858	1.858	1.858	1.858	1.857	1.857	1.860	1.860	1.861	1.861	1.863	1.862	1.862

DSW 283936

STLCOPCB4065355

Life Test Data — Paper (2x .66 Mil) Capacitors

Test Conditions, Tan δ, Capacitance, Failure Times

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 MCS1476 (66.3% Un dist. #2304, 48.7% Un dist, Sutivil 100, 25% TXS (P.P. Bo#4 dist. & Na_2CO_3 Treated)] + 0.3% Unox 221 (Ft #2/1-15-73) - (Imp. 3-13-73)

Capacitors

#2	.00320	.00315	.00317	.00318	.00319	.00320	.00321	.00322	.00323	.00325	.00328	.00330	.00331	.00332	.00333
(mfd)	1.876	1.876	1.876	1.876	1.878	1.878	1.878	1.878	1.879	1.879	1.879	1.879	1.879	1.879	1.879
#3	.00335	.00333	.00332	.00339	.00340	.00341	.00346	.00348	.00351	.00356	.00362	.00365	.00367	.00370	.00374
(mfd)	1.862	1.861	1.861	1.861	1.864	1.863	1.863	1.863	1.864	1.864	1.863	1.863	1.863	1.863	1.863
#4	.00335	.00334	.00337	.00341	.00348	.00350	.00353	.00357	.00362	.00367	.00375	.00379	.00382	.00386	.00389
(mfd)	1.848	1.847	1.847	1.847	1.849	1.849	1.849	1.849	1.850	1.850	1.850	1.850	1.850	1.850	1.850
#5	.00338	.00343	.00344	.00346	.00352	.00353	.00354	.00358	.00360	.00364	.00368	.00370	.00372	.00374	.00375
(mfd)	1.876	1.875	1.875	1.876	1.878	1.878	1.878	1.878	1.879	1.879	1.879	1.879	1.879	1.879	1.879
#6	.00371	.00380	.00386	.00394	.00405	.00404	.00407	.00413	.00415	.00420	.00424	.00428	.00431	.00432	.00433
(mfd)	1.849	1.847	1.848	1.848	1.850	1.850	1.850	1.850	1.851	1.851	1.850	1.850	1.850	1.850	1.850
#7	.00377	.00389	.00398	.00408	.00423	.00424	.00428	.00435	.00435	.00439	.00443	.00444	.00444	.00444	.00443
(mfd)	1.858	1.857	1.857	1.857	1.859	1.859	1.860	1.860	1.860	1.861	1.860	1.860	1.860	1.860	1.860
#8	.00356	.00360	.00362	.00365	.00371	.00370	.00373	.00374	.00378	.00382	.00385	.00388	.00390	.00392	.00394
(mfd)	1.867	1.866	1.866	1.866	1.869	1.868	1.869	1.869	1.869	1.869	1.869	1.869	1.869	1.869	1.869
Avg.	.00347	.00351	.00354	.00359	.00365	.00366	.00369	.00372	.00375	.00379	.00384	.00386	.00388	.00390	.00392
(mfd)	1.862	1.861	1.861	1.861	1.864	1.864	1.864	1.864	1.864	1.865	1.864	1.864	1.864	1.864	1.864

DSW 283937

STLCOPCB4065356

Life Test Data – Paper (2x.166Mil) Capacitors
Test Conditions, Tan δ, Capacitance, Failure Times

Test Started 3-22-73

Temp, °C	90°	90°
Voltage	1000	1000
Time, hrs	2678	3446

1X treated MCS1476
[26.3% Undistilled H230L
48.7% distist. Santicizer 100
25% TXS (P.P. Co #4
dist + Na_2CO_3 treated)]
+0.3% Unox 221 (Lot #2, 1-5-73)
Dump 3-13-739

Capacitance

#2	.00334	.00336
(mfd)	1.879	1.879
#3	.00378	.00381
(mfd)	1.863	1.863
#4	.00392	.00394
(mfd)	1.850	1.850
#5	.00378	.00379
(mfd)	1.879	1.879
#6	.00434	.00435
(mfd)	1.850	1.850
#7	.00442	.00441
(mfd)	1.860	1.860
#8	.00397	.00399
(mfd)	1.869	1.868
#9	.00394	.00395
(mfd)	1.864	1.864

DSW 283938
STLCOPCB4065357