

Service Life Studies
Best Fit Curve Results

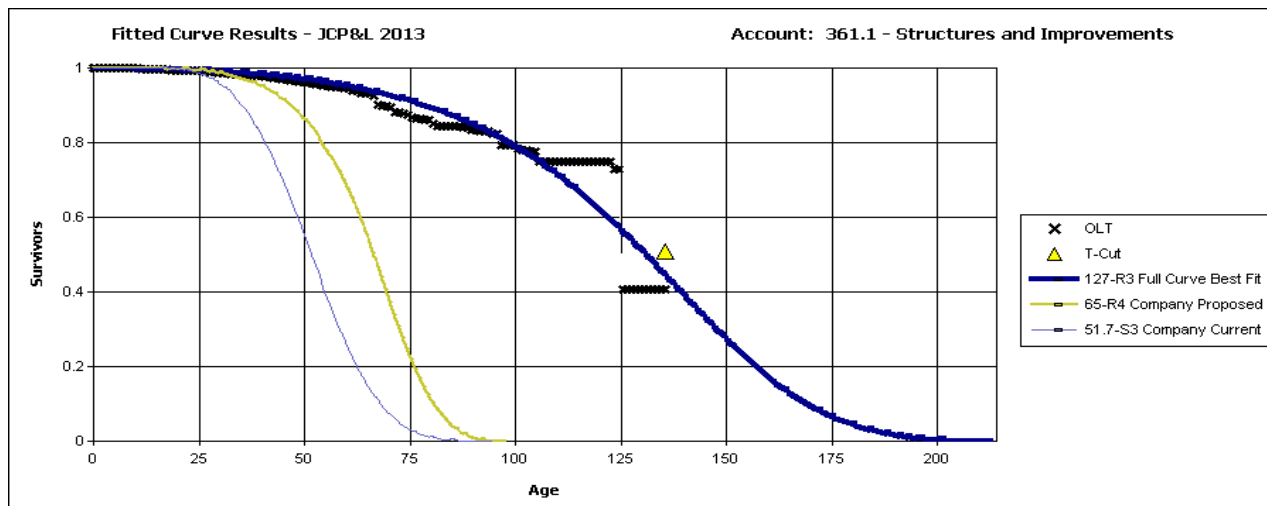
JCP&L 2013

Account: 361.1 - Structures and Improvements

Curve	Life	Sum of Squared Differences
BAND	1947 - 2012	
R3	127.0	3,229.459
R2.5	129.0	3,546.785
S2	133.0	3,980.613
S1.5	137.0	4,068.505
R4	125.0	4,366.372
L2	149.0	4,372.932
L3	138.0	4,429.990
R2	133.0	4,616.951
S1	142.0	4,698.855
S3	129.0	4,887.863
L1.5	156.0	5,069.773
S0.5	148.0	5,754.475
L4	130.0	5,821.715
L1	168.0	6,326.123
R1.5	140.0	6,364.691
S0	158.0	7,167.265
L0.5	182.0	7,805.846
S4	127.0	7,907.271
R1	151.0	8,479.755
R5	125.0	9,380.364
L5	128.0	9,482.629
L0	202.0	9,499.722
S-0.5	175.0	9,615.601
R0.5	172.0	10,723.862
O2	230.0	12,182.371
O1	204.0	12,186.807
S5	126.0	12,340.221
O3	333.0	12,718.296
O4	461.0	12,950.592
S6	127.0	17,735.403
SQ	125.0	40,965.068

Analytical Parameters

OLT Placement Band: 1876 - 2012
 OLT Experience Band: 1947 - 2012
 Minimum Life Parameter: 4
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 135.5



Analytical Parameters

OLT Placement Band:	1876 - 2012
OLT Experience Band:	1947 - 2012
Minimum Life Parameter:	4
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	137.0

Service Life Studies
Best Fit Curve Results

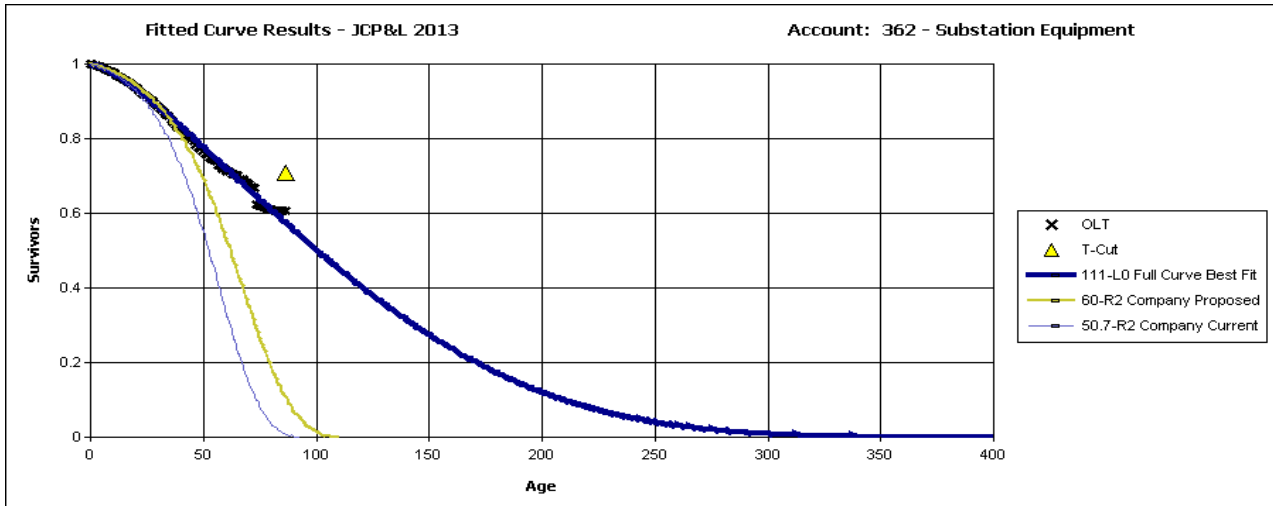
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Account: 362 - Substation Equipment

Curve	Life	Sum of Squared Differences
BAND	1947 - 2012	
L0	111.0	88.901
S-0.5	98.0	129.505
R0.5	96.0	166.835
O2	121.0	272.784
O1	108.0	274.056
R1	88.0	355.999
L0.5	103.0	367.909
O3	171.0	370.676
O4	234.0	424.453
S0	91.0	603.054
R1.5	84.0	1,043.161
L1	97.0	1,076.536
S0.5	88.0	1,429.134
L1.5	92.0	2,273.369
R2	82.0	2,369.562
S1	85.0	2,780.927
R2.5	81.0	4,210.004
L2	89.0	4,266.120
S1.5	84.0	4,356.237
S2	82.0	6,497.324
R3	80.0	6,761.171
L3	85.0	8,928.879
S3	81.0	11,162.775
R4	80.0	12,410.845
L4	82.0	14,546.620
S4	81.0	17,924.349
L5	82.0	21,217.118
R5	81.0	21,258.985
S5	82.0	24,972.414
S6	83.0	31,852.688
SQ	86.0	46,449.951

Analytical Parameters

OLT Placement Band: 1906 - 2012
 OLT Experience Band: 1947 - 2012
 Minimum Life Parameter: 4
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 86.5



Analytical Parameters

OLT Placement Band:	1906 - 2012
OLT Experience Band:	1947 - 2012
Minimum Life Parameter:	4
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	88.0

Service Life Studies
Best Fit Curve Results

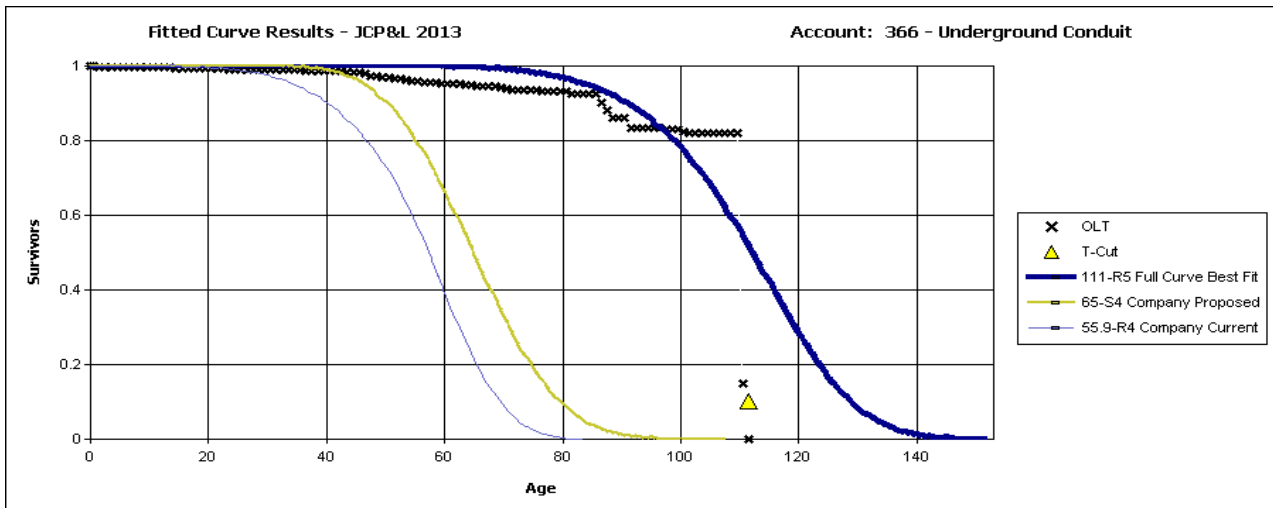
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Account: 366 - Underground Conduit

Curve	Life	Sum of Squared Differences
BAND	1952 - 2012	
R5	111.0	7,663.302
L5	114.0	7,729.578
L4	119.0	7,733.301
R4	115.0	7,866.523
S4	115.0	8,014.097
S3	122.0	8,235.923
S5	112.0	8,240.472
L3	133.0	8,289.739
SQ	109.0	8,483.500
S6	110.0	8,686.667
R3	124.0	8,730.474
S2	133.0	8,803.738
L2	153.0	9,136.492
S1.5	141.0	9,265.838
R2.5	132.0	9,530.178
S1	152.0	9,770.911
L1.5	168.0	9,861.073
R2	144.0	10,353.140
L1	191.0	10,416.345
S0.5	167.0	10,461.012
S0	190.0	11,082.727
L0.5	220.0	11,256.148
R1.5	164.0	11,407.123
L0	265.0	11,869.066
S-0.5	234.0	12,179.251
R1	196.0	12,182.023
R0.5	249.0	12,720.809
O2	350.0	12,966.939
O1	311.0	12,969.033
O3	500.0	13,038.251
O4	500.0	15,101.988

Analytical Parameters

OLT Placement Band: 1900 - 2012
 OLT Experience Band: 1952 - 2012
 Minimum Life Parameter: 6
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 111.5



Analytical Parameters

OLT Placement Band:	1900 - 2012
OLT Experience Band:	1952 - 2012
Minimum Life Parameter:	6
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	113.0

Service Life Studies
Best Fit Curve Results

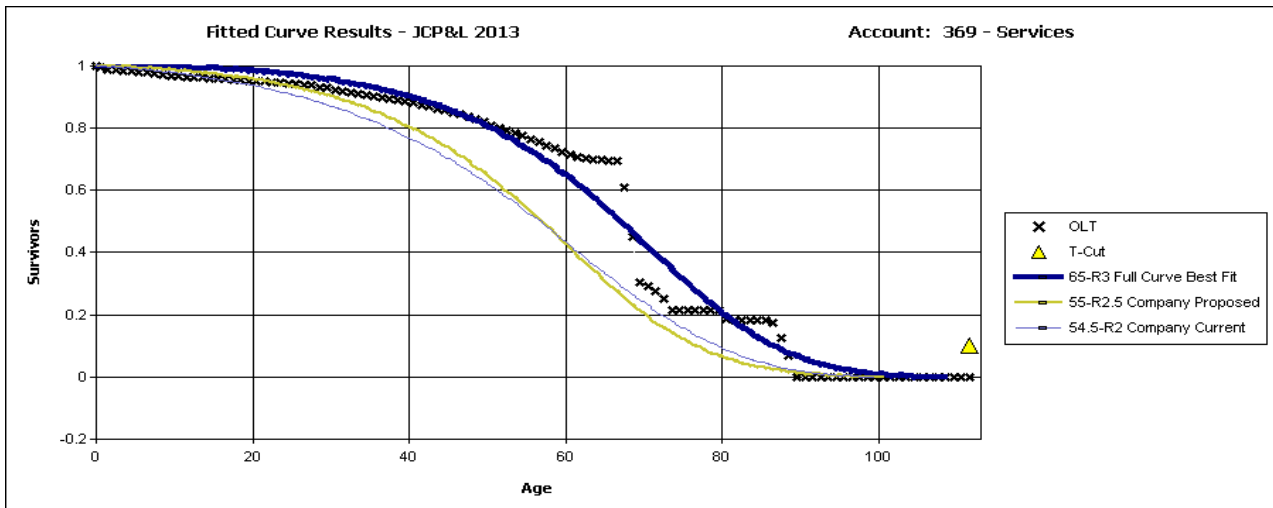
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Account: 369 - Services

Curve	Life	Sum of Squared Differences
BAND	1952 - 2012	
R3	65.0	3,141.115
R4	66.0	3,785.283
S3	66.0	4,169.307
R2.5	64.0	4,183.026
L4	68.0	4,549.072
S4	67.0	5,553.746
S2	65.0	5,740.207
L5	68.0	6,291.107
R2	63.0	6,437.890
S1.5	65.0	7,596.361
R5	67.0	7,944.465
L3	67.0	8,007.983
S5	68.0	9,447.047
R1.5	62.0	9,904.007
S1	64.0	10,355.183
S0.5	63.0	13,805.668
S6	68.0	14,133.193
L2	67.0	14,334.298
R1	61.0	14,637.818
L1.5	66.0	18,019.190
S0	62.0	18,177.348
R0.5	60.0	22,205.275
L1	65.0	22,801.189
S-0.5	60.0	24,358.864
SQ	68.0	26,090.234
L0.5	65.0	27,580.659
O1	58.0	31,739.082
L0	65.0	33,305.851
O2	67.0	36,504.015
O3	85.0	53,823.599
O4	114.0	61,056.857

Analytical Parameters

OLT Placement Band: 1900 - 2012
 OLT Experience Band: 1952 - 2012
 Minimum Life Parameter: 3
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 111.5



Analytical Parameters

OLT Placement Band:	1900 - 2012
OLT Experience Band:	1952 - 2012
Minimum Life Parameter:	3
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	113.0

Service Life Studies
Best Fit Curve Results

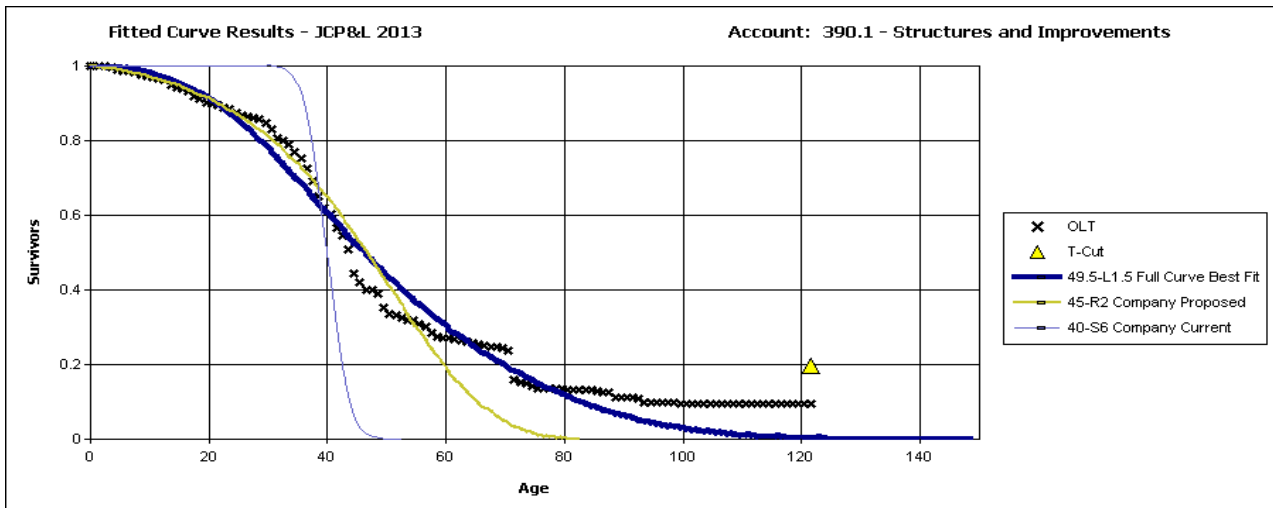
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Account: 390.1 - Structures and Improvements

Curve	Life	Sum of Squared Differences
BAND	1947 - 2012	
L1.5	49.5	3,500.433
L2	49.5	3,894.260
L1	49.5	4,111.301
L0.5	49.5	4,768.729
S0.5	47.5	6,145.577
L0	49.5	6,326.304
S0	47.5	6,375.657
S1	47.5	6,821.170
L3	48.5	7,338.014
R1	46.5	7,502.516
S-0.5	47.5	7,524.733
O2	50.5	7,637.830
R1.5	46.5	7,754.552
R0.5	46.5	7,880.191
S1.5	47.5	7,929.408
R2	46.5	9,247.311
S2	47.5	9,835.403
O1	46.5	10,163.462
R2.5	46.5	11,080.183
R3	46.5	14,007.158
S3	46.5	14,463.665
L4	46.5	15,081.145
O3	57.5	16,475.481
R4	45.5	19,738.314
S4	45.5	21,330.067
L5	45.5	22,666.625
O4	72.5	23,561.151
R5	44.5	26,809.538
S5	44.5	28,308.739
S6	44.5	34,853.510
SQ	43.5	49,817.696

Analytical Parameters

OLT Placement Band: 1890 - 2012
 OLT Experience Band: 1947 - 2012
 Minimum Life Parameter: 1.5
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 121.5



Analytical Parameters

OLT Placement Band:	1890 - 2012
OLT Experience Band:	1947 - 2012
Minimum Life Parameter:	1.5
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	123.0

Service Life Studies
Best Fit Curve Results

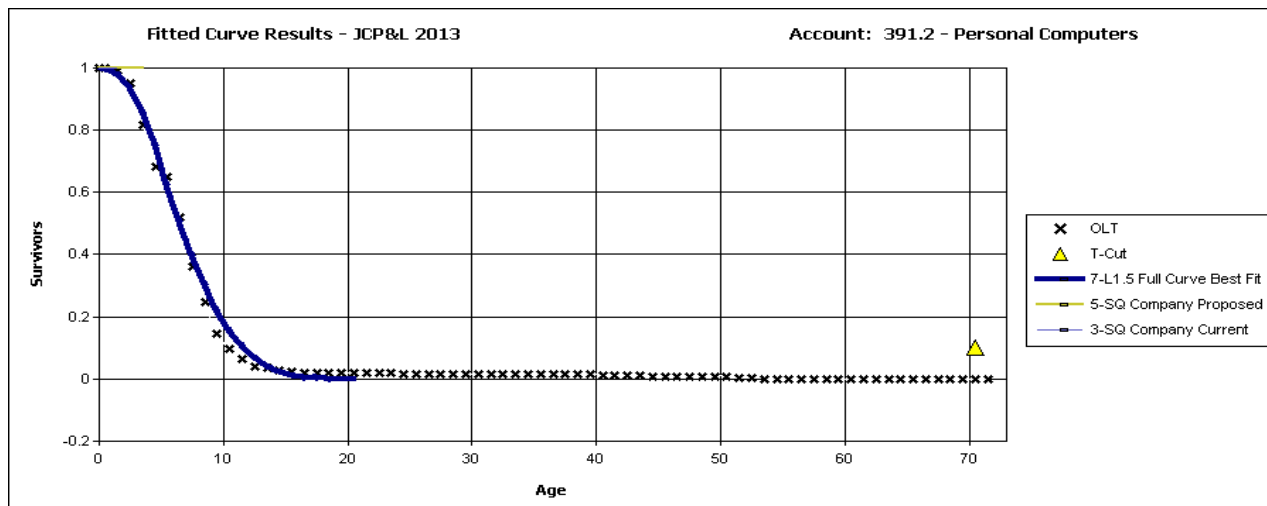
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Account: 391.2 - Personal Computers

Curve	Life	Sum of Squared Differences
BAND	1996 - 2012	
L1.5	7.0	328.680
L2	7.0	346.010
R1	6.0	433.499
S0	6.0	440.374
L1	7.0	453.449
S0.5	7.0	453.761
S1	7.0	463.802
R1.5	6.0	504.708
R0.5	6.0	549.329
S-0.5	6.0	579.894
S1.5	7.0	584.814
L0.5	7.0	671.378
R2	7.0	703.701
L3	7.0	777.061
S2	7.0	823.393
R2.5	7.0	907.269
O1	6.0	911.145
L0	7.0	1,018.102
R3	7.0	1,275.520
O2	7.0	1,329.117
S3	7.0	1,496.669
L4	7.0	1,748.963
R4	7.0	2,156.541
S4	7.0	2,593.959
L5	7.0	2,903.111
O3	7.0	3,372.782
R5	7.0	3,432.708
S5	7.0	3,760.168
S6	7.0	4,940.669
O4	8.0	5,345.464
SQ	7.0	7,284.841

Analytical Parameters

OLT Placement Band: 1928 - 2012
 OLT Experience Band: 1996 - 2012
 Minimum Life Parameter: 1
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 70.5



Analytical Parameters

OLT Placement Band:	1928 - 2012
OLT Experience Band:	1996 - 2012
Minimum Life Parameter:	1
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	72.0

Service Life Studies
Best Fit Curve Results

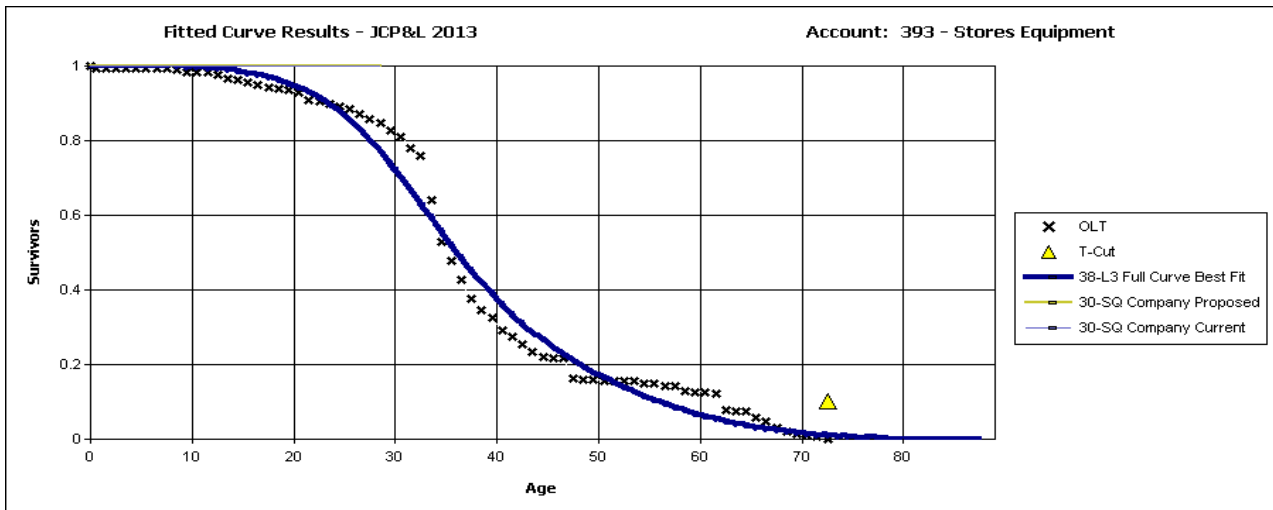
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Account: 393 - Stores Equipment

Curve	Life	Sum of Squared Differences
BAND	1955 - 2012	
L3	38.0	1,406.040
L4	37.0	2,462.909
S2	37.0	2,669.550
S3	37.0	2,970.161
S1.5	37.0	2,978.228
R2.5	36.0	3,211.803
R3	36.0	3,399.524
L2	38.0	3,592.723
R2	36.0	3,871.108
S1	37.0	3,908.306
R4	36.0	4,604.753
R1.5	36.0	4,868.145
S4	37.0	4,870.355
L5	37.0	5,143.192
S0.5	37.0	5,209.282
L1.5	38.0	5,448.294
R1	36.0	6,825.723
S0	36.0	7,172.136
R5	36.0	7,217.118
S5	36.0	7,790.539
L1	38.0	8,052.144
R0.5	35.0	9,735.061
S-0.5	36.0	10,101.712
L0.5	38.0	10,587.784
S6	36.0	11,251.536
L0	38.0	13,731.955
O1	35.0	14,004.238
O2	38.0	16,061.620
SQ	35.0	22,078.954
O3	47.0	26,178.400
O4	62.0	31,274.980

Analytical Parameters

OLT Placement Band: 1916 - 2012
 OLT Experience Band: 1955 - 2012
 Minimum Life Parameter: 5
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 72.5



Analytical Parameters

OLT Placement Band:	1916 - 2012
OLT Experience Band:	1955 - 2012
Minimum Life Parameter:	5
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	74.0

Service Life Studies
Best Fit Curve Results

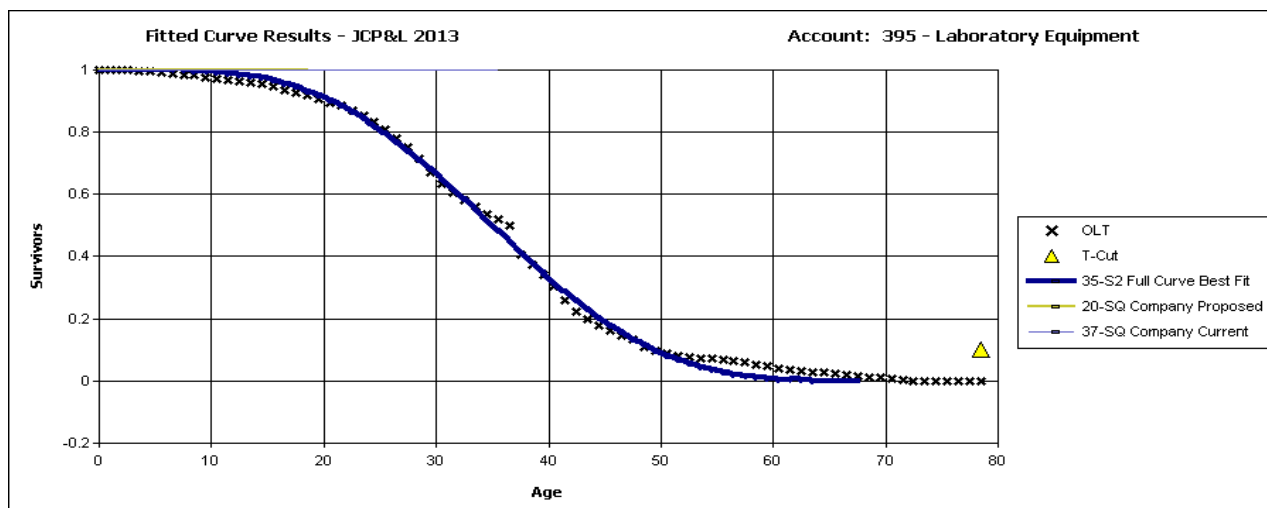
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Account: 395 - Laboratory Equipment

Curve	Life	Sum of Squared Differences
BAND	1954 - 2012	
S2	35.0	336.607
L3	36.0	470.538
R2.5	34.0	486.980
S1.5	35.0	504.255
R2	34.0	729.989
R3	35.0	903.749
S1	35.0	1,259.720
S3	35.0	1,265.864
R1.5	34.0	1,663.421
L2	36.0	1,951.031
L4	36.0	2,030.492
S0.5	34.0	2,388.353
R4	35.0	3,062.149
R1	33.0	3,394.708
L1.5	35.0	3,453.608
S0	34.0	4,150.374
S4	35.0	4,401.510
L1	35.0	5,624.689
L5	36.0	5,660.745
R0.5	33.0	6,310.968
S-0.5	33.0	6,886.380
R5	36.0	7,544.716
L0.5	35.0	8,084.702
S5	36.0	8,883.906
O1	32.0	10,468.968
L0	34.0	11,131.423
O2	35.0	13,676.214
S6	36.0	13,915.001
O3	41.0	26,262.120
SQ	36.0	26,650.213
O4	53.0	33,448.037

Analytical Parameters

OLT Placement Band: 1918 - 2012
 OLT Experience Band: 1954 - 2012
 Minimum Life Parameter: 3
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 78.5



Analytical Parameters

OLT Placement Band:	1918 - 2012
OLT Experience Band:	1954 - 2012
Minimum Life Parameter:	3
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	80.0

Service Life Studies
Best Fit Curve Results

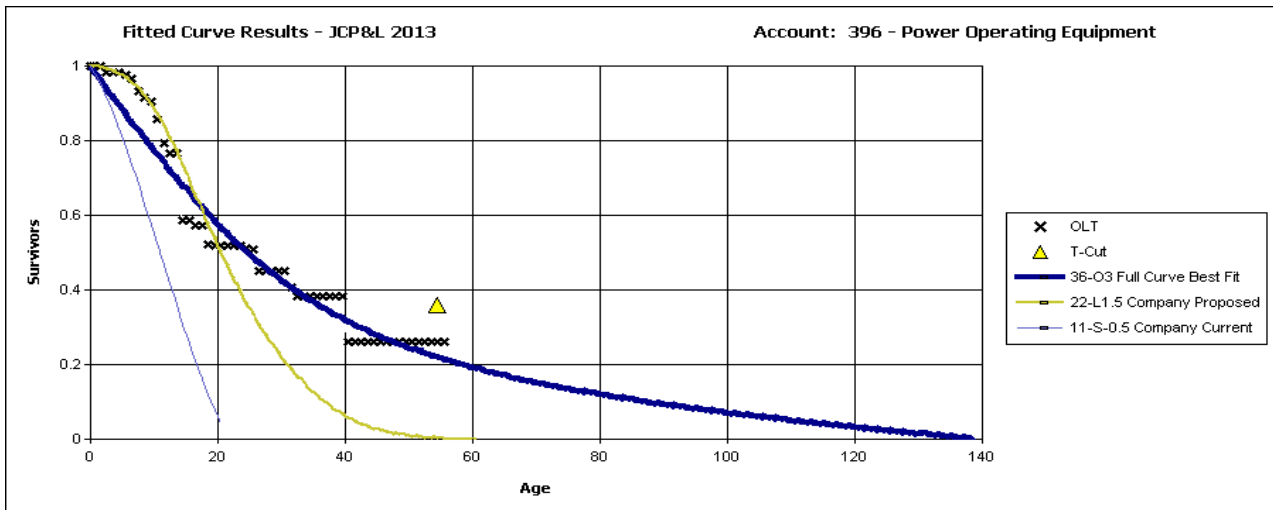
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Account: 396 - Power Operating Equipment

Curve	Life	Sum of Squared Differences
BAND	1961 - 2012	
O3	36.0	1,537.907
O4	46.0	1,750.921
O2	31.0	2,794.453
L0	30.0	3,146.328
O1	30.0	4,086.207
L0.5	30.0	4,485.451
S-0.5	30.0	5,793.960
L1	30.0	6,286.131
R0.5	30.0	6,589.177
S0	30.0	8,427.878
L1.5	30.0	8,974.839
R1	30.0	10,279.658
S0.5	30.0	11,180.210
L2	30.0	12,243.891
R1.5	30.0	13,704.661
S1	30.0	14,501.716
R2	30.0	17,928.903
S1.5	30.0	17,984.074
L3	29.0	20,700.113
S2	30.0	21,970.208
R2.5	30.0	22,025.888
R3	29.0	26,746.529
S3	29.0	29,433.181
L4	28.0	31,455.552
R4	28.0	34,893.824
S4	28.0	38,257.240
L5	27.0	40,149.754
R5	27.0	43,579.316
S5	27.0	45,537.185
S6	26.0	51,213.996
SQ	26.0	61,340.119

Analytical Parameters

OLT Placement Band: 1949 - 2010
 OLT Experience Band: 1961 - 2012
 Minimum Life Parameter: 1
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 54.5



Analytical Parameters

OLT Placement Band:	1949 - 2012
OLT Experience Band:	1961 - 2012
Minimum Life Parameter:	1
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	56.0

Service Life Studies
Best Fit Curve Results

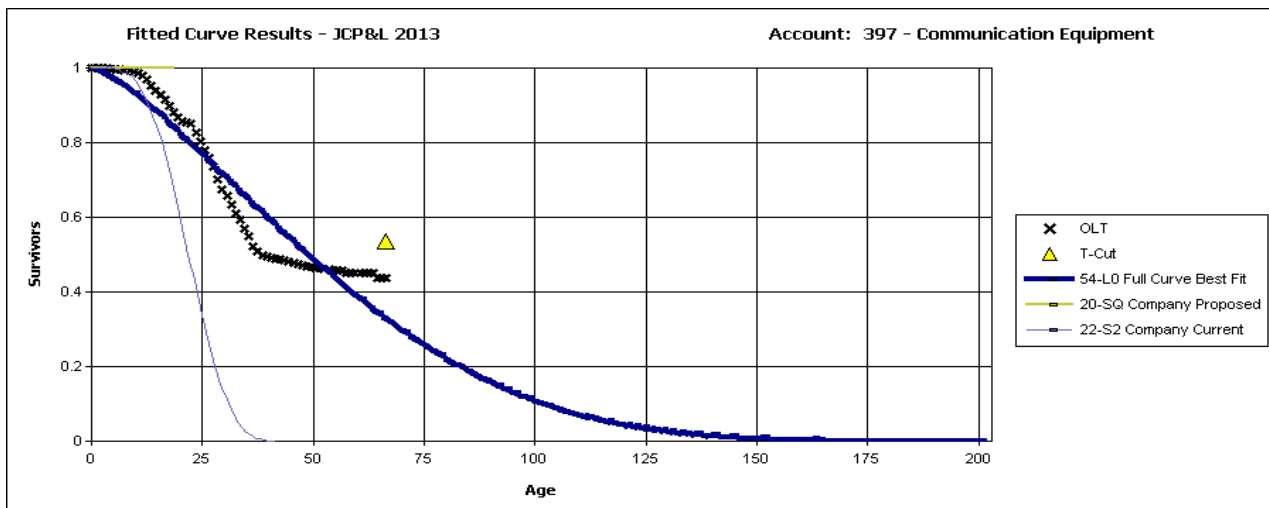
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Account: 397 - Communication Equipment

Curve	Life	Sum of Squared Differences
BAND	1955 - 2012	
L0	54.0	2,481.406
O3	72.0	2,830.478
L0.5	52.0	2,904.904
O4	96.0	2,999.599
O2	56.0	3,019.785
O1	50.0	3,079.724
S-0.5	49.0	3,370.570
L1	51.0	3,795.138
R0.5	49.0	3,991.085
S0	49.0	4,526.071
R1	49.0	5,841.343
L1.5	50.0	5,910.244
S0.5	49.0	6,507.993
R1.5	49.0	8,521.031
L2	49.0	8,727.700
S1	49.0	9,093.603
R2	49.0	12,021.671
S1.5	49.0	12,561.232
S2	49.0	16,633.504
R2.5	50.0	16,723.480
L3	48.0	17,445.495
R3	50.0	22,214.840
S3	50.0	26,237.509
L4	49.0	30,730.930
R4	52.0	34,148.911
S4	51.0	40,273.177
L5	49.0	44,461.873
R5	52.0	50,421.625
S5	50.0	54,345.064
S6	45.0	65,338.699
SQ	38.0	82,759.407

Analytical Parameters

OLT Placement Band: 1930 - 2012
 OLT Experience Band: 1955 - 2012
 Minimum Life Parameter: 1
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 66.5



Analytical Parameters

OLT Placement Band:	1930 - 2012
OLT Experience Band:	1955 - 2012
Minimum Life Parameter:	1
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	68.0

Service Life Studies
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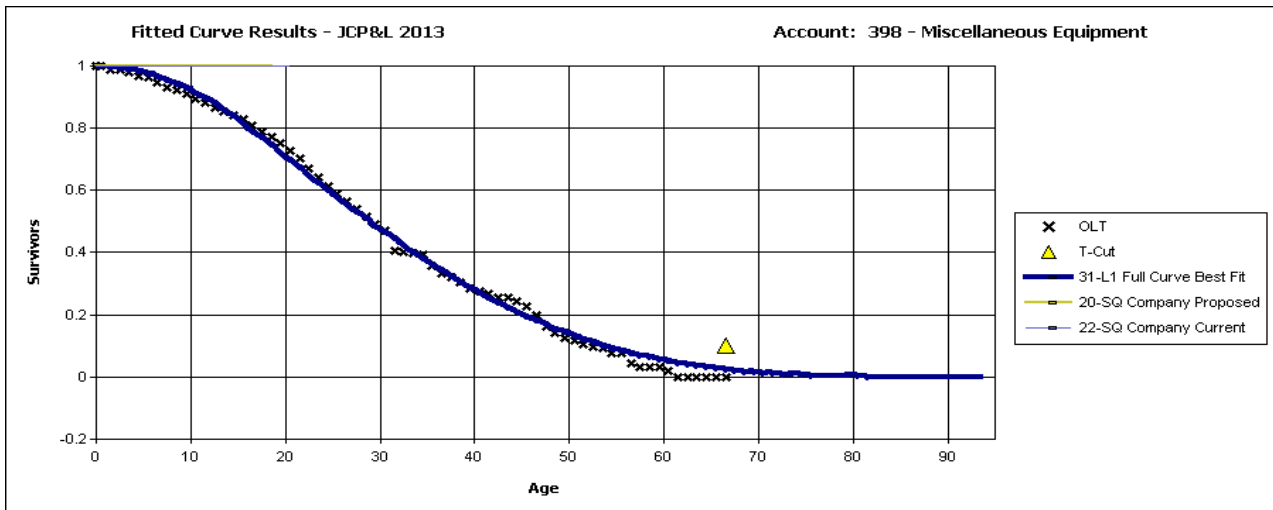
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Account: 398 - Miscellaneous Equipment

Curve	Life	Sum of Squared Differences
BAND	1955 - 2012	
L1	31.0	285.698
S0	31.0	418.419
L1.5	31.0	437.037
S-0.5	30.0	450.738
R0.5	30.0	579.992
L0.5	31.0	684.028
S0.5	31.0	877.370
R1	30.0	966.596
L2	31.0	1,213.967
O1	29.0	1,401.889
L0	31.0	1,620.937
R1.5	31.0	1,894.292
S1	31.0	1,927.403
O2	31.0	2,859.497
S1.5	31.0	3,351.492
R2	31.0	3,586.284
L3	31.0	4,568.516
S2	31.0	5,296.236
R2.5	31.0	5,640.988
R3	31.0	8,425.116
O3	36.0	9,140.410
S3	31.0	9,702.909
L4	31.0	10,990.793
O4	46.0	13,310.539
R4	31.0	13,877.517
S4	31.0	15,999.482
L5	30.0	17,518.944
R5	30.0	20,501.783
S5	30.0	22,063.260
S6	30.0	27,506.748
SQ	29.0	38,716.941

Analytical Parameters

OLT Placement Band: 1925 - 2012
 OLT Experience Band: 1955 - 2012
 Minimum Life Parameter: 2
 Maximum Life Parameter: 500
 Life Increment Parameter: 1
 Max Age (T-Cut): 66.5



Analytical Parameters

OLT Placement Band:	1925 - 2012
OLT Experience Band:	1955 - 2012
Minimum Life Parameter:	2
Maximum Life Parameter:	500
Life Increment Parameter:	1
Max Age (T-Cut):	68.0