

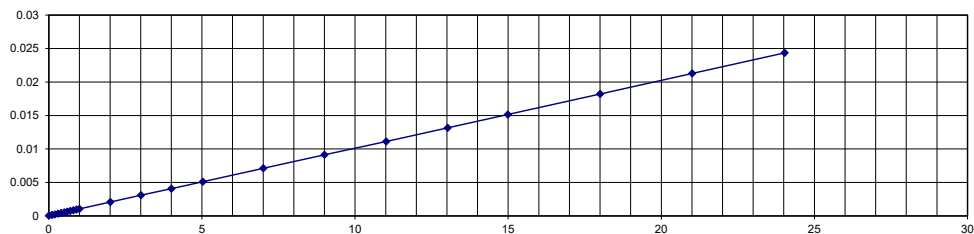
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                     |               |
|---------------------|---------------|
| <b>PRODUCT:</b>     | CR8420-1000-A |
| <b>Lot #:</b>       | 1837          |
| <b>TURNS/RATIO:</b> | 1000          |
| <b>DATE:</b>        | July 17, 2020 |
| <b>TESTER:</b>      | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 1    |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001733371     | 0.001733371      | 3.82918E-05       | 0.001046184 | -0.001731557      | 102.2114073                                | 45.26743185            | 95.47325681                                 |
| 0.1A            | 0.100935189     | 0.100935189      | 0.000142075       | 0.000984025 | -0.001634048      | 108.6946776                                | 710.4350548            | 28.95649452                                 |
| 0.2A            | 0.194924473     | 0.194924473      | 0.000234563       | 0.000993333 | -0.001539746      | 115.2338824                                | 831.0110989            | 16.89889011                                 |
| 0.3A            | 0.300381354     | 0.300381354      | 0.000339317       | 0.001008222 | -0.001430519      | 123.7198353                                | 885.253237             | 11.4746763                                  |
| 0.4A            | 0.400301664     | 0.400301664      | 0.000440059       | 0.001056622 | -0.001310403      | 133.5819336                                | 909.6551528            | 9.034484718                                 |
| 0.5A            | 0.500064256     | 0.500064256      | 0.00054547        | 0.000980121 | -0.001243247      | 143.8746274                                | 916.7584693            | 8.32415307                                  |
| 0.6A            | 0.599458357     | 0.599458357      | 0.000642888       | 0.001000269 | -0.001133751      | 156.7045509                                | 932.4456503            | 6.755434971                                 |
| 0.7A            | 0.700596808     | 0.700596808      | 0.000744054       | 0.001062287 | -0.000989136      | 175.2226261                                | 941.5941082            | 5.840589176                                 |
| 0.8A            | 0.801182805     | 0.801182805      | 0.000850905       | 0.001042154 | -0.000898414      | 194.7118778                                | 941.5653927            | 5.843460729                                 |
| 0.9A            | 0.900629493     | 0.900629493      | 0.000954544       | 0.001004699 | -0.000828509      | 215.2122662                                | 943.5181384            | 5.648186158                                 |
| 1A              | 1.00017183      | 1.00017183       | 0.001054554       | 0.001014719 | -0.000718478      | 246.7761799                                | 948.4311187            | 5.156888125                                 |
| 2A              | 2.00552808      | 2.00552808       | 0.002074708       | 0.001018952 | 0.000310167       | -568.8999943                               | 966.6557642            | 3.334423575                                 |
| 3A              | 3.00452911      | 3.00452911       | 0.003092642       | 0.000984874 | 0.001225713       | -152.313771                                | 971.5088337            | 2.849116627                                 |
| 4A              | 4.00210362      | 0.040021036      | 0.004075128       | 0.001007538 | 0.0022989         | -77.26420175                               | 982.0805877            | 1.791941229                                 |
| 5A              | 5.02789238      | 0.050278924      | 0.005108649       | 0.001015154 | 0.003370712       | -51.55991668                               | 984.1922674            | 1.580773262                                 |
| 7A              | 7.00080192      | 0.03500401       | 0.007111455       | 0.001009614 | 0.005334734       | -33.30475378                               | 984.4402185            | 1.555978154                                 |
| 9A              | 8.9991457       | 0.044995729      | 0.00912901        | 0.000988116 | 0.007158832       | -27.52093898                               | 985.7745808            | 1.422541923                                 |
| 11A             | 11.0114957      | 0.022022991      | 0.011117446       | 0.00101505  | 0.009443854       | -17.72149429                               | 990.469951             | 0.953004897                                 |
| 13A             | 13.02116855     | 0.026042337      | 0.013157365       | 0.00101541  | 0.011488449       | -14.52690779                               | 989.6486606            | 1.035133942                                 |
| 15A             | 14.98816775     | 0.029976336      | 0.015154675       | 0.001015123 | 0.013481462       | -12.4112115                                | 989.0128325            | 1.098716754                                 |
| 18A             | 17.99975755     | 0.035999515      | 0.018211809       | 0.001020621 | 0.016637554       | -9.462057545                               | 988.3564035            | 1.164359652                                 |
| 21A             | 21.00696745     | 0.042013935      | 0.021281029       | 0.001017937 | 0.019650403       | -8.298178823                               | 987.1217905            | 1.287820951                                 |
| 24A             | 24.02666735     | 0.048053335      | 0.024354894       | 0.001013661 | 0.022621523       | -7.662483557                               | 986.5231788            | 1.347682118                                 |

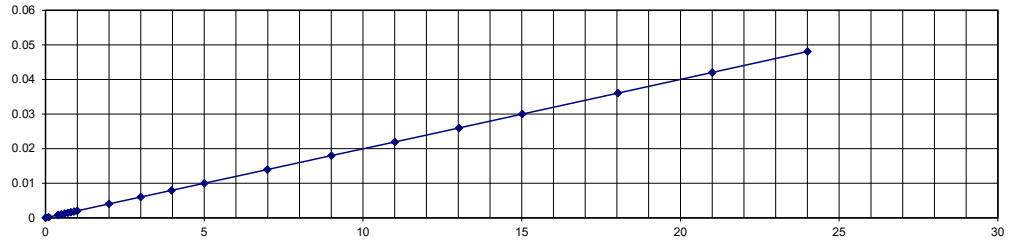
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                     |               |
|---------------------|---------------|
| <b>PRODUCT:</b>     | CR8420-1000-A |
| <b>Lot #:</b>       | 1837          |
| <b>TURNS/RATIO:</b> | 1000          |
| <b>DATE:</b>        | July 17, 2020 |
| <b>TESTER:</b>      | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 2    |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001669139     | 0.001669139      | 3.92705E-05       | 0.001972072 | -0.001665847      | 102.3573879                                | 85.00730451            | 91.49926955                                 |
| 0.1A            | 0.101436161     | 0.101436161      | 0.000236018       | 0.001999412 | -0.001466326      | 116.0958893                                | 859.5619544            | 14.04380456                                 |
| 0.4A            | 0.399916719     | 0.399916719      | 0.000832804       | 0.001982868 | -0.000876157      | 195.0519039                                | 960.4104157            | 3.958958429                                 |
| 0.5A            | 0.500200995     | 0.500200995      | 0.001031654       | 0.002035054 | -0.000651203      | 258.4228286                                | 969.7066156            | 3.029338442                                 |
| 0.6A            | 0.601066091     | 0.601066091      | 0.00123692        | 0.002020398 | -0.000454746      | 372.002196                                 | 971.875301             | 2.812469898                                 |
| 0.7A            | 0.701317151     | 0.701317151      | 0.001439467       | 0.002004892 | -0.000263074      | 647.1725637                                | 974.4121243            | 2.558787567                                 |
| 0.8A            | 0.800247817     | 0.800247817      | 0.001637813       | 0.001940627 | -0.000116157      | 1510.002432                                | 977.2154045            | 2.27845955                                  |
| 0.9A            | 0.900948812     | 0.900948812      | 0.001833236       | 0.002037466 | 0.000166514       | -1000.952501                               | 982.9056633            | 1.709433665                                 |
| 1A              | 1.00048577      | 1.00048577       | 0.002036039       | 0.002004291 | 0.000336126       | -505.7372952                               | 982.7767521            | 1.722324792                                 |
| 2A              | 2.002763        | 2.002763         | 0.004044894       | 0.00198685  | 0.00231005        | -75.09982187                               | 990.2672234            | 0.973277656                                 |
| 3A              | 3.00058071      | 3.00058071       | 0.006027408       | 0.00198386  | 0.004283593       | -40.70916617                               | 995.6454599            | 0.435454012                                 |
| 4A              | 3.97375659      | 0.039737566      | 0.007958053       | 0.001990504 | 0.00624064        | -27.51982122                               | 998.6756157            | 0.132438429                                 |
| 5A              | 5.00348318      | 0.050034832      | 0.010007728       | 0.001991629 | 0.008295945       | -20.63396157                               | 999.9239248            | 0.007607521                                 |
| 7A              | 6.98767732      | 0.034938387      | 0.013959507       | 0.002003647 | 0.012331699       | -13.20019558                               | 1001.135244            | -0.113524351                                |
| 9A              | 9.00849164      | 0.045042458      | 0.018008506       | 0.001969975 | 0.016077365       | -12.01155133                               | 1000.470765            | -0.047076533                                |
| 11A             | 11.00615965     | 0.022012319      | 0.021943862       | 0.002007093 | 0.020421247       | -7.456032633                               | 1003.119674            | -0.311967425                                |
| 13A             | 13.02326655     | 0.026046533      | 0.025992383       | 0.00200944  | 0.024500334       | -6.089912438                               | 1002.083318            | -0.208331805                                |
| 15A             | 15.0205109      | 0.030041022      | 0.030005725       | 0.002010843 | 0.028534751       | -5.155026529                               | 1001.176322            | -0.117632217                                |
| 18A             | 18.03361245     | 0.036067225      | 0.0360646         | 0.002011954 | 0.034613655       | -4.19182762                                | 1000.072789            | -0.007278883                                |
| 21A             | 21.0039627      | 0.042007925      | 0.042040807       | 0.002014585 | 0.040645124       | -3.433826885                               | 999.2178623            | 0.07821377                                  |
| 24A             | 24.00661995     | 0.04801324       | 0.048089915       | 0.002003194 | 0.046420776       | -3.595672365                               | 998.4055971            | 0.159440291                                 |

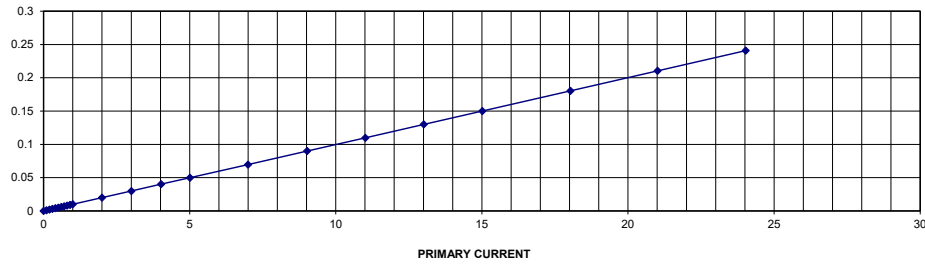
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                     |               |
|---------------------|---------------|
| <b>PRODUCT:</b>     | CR8420-1000-A |
| <b>Lot #:</b>       | 1837          |
| <b>TURNS/RATIO:</b> | 1000          |
| <b>DATE:</b>        | July 17, 2020 |
| <b>TESTER:</b>      | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 10   |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001680869     | 0.001680869      | 4.39897E-05       | 0.010085705 | -0.001668316      | 102.643744                                 | 382.1052486            | 61.78947514                                 |
| 0.1A            | 0.100373373     | 0.100373373      | 0.001039373       | 0.009895023 | -0.000687672      | 251.1437744                                | 965.7106222            | 3.428937781                                 |
| 0.2A            | 0.199265275     | 0.199265275      | 0.002017911       | 0.009791115 | 0.000307622       | -555.9700124                               | 987.4830447            | 1.251695535                                 |
| 0.3A            | 0.300499398     | 0.300499398      | 0.003028138       | 0.010023324 | 0.001331134       | -127.4855368                               | 992.3570718            | 0.764292822                                 |
| 0.4A            | 0.40068952      | 0.40068952       | 0.004026156       | 0.00995921  | 0.002303502       | -74.78412503                               | 993.6748026            | 0.632519743                                 |
| 0.5A            | 0.500124817     | 0.500124817      | 0.005022633       | 0.009929924 | 0.003285333       | -52.88049813                               | 995.7422851            | 0.425771493                                 |
| 0.6A            | 0.601570965     | 0.601570965      | 0.006029986       | 0.00995489  | 0.004307704       | -39.98142939                               | 997.6324969            | 0.236750314                                 |
| 0.7A            | 0.70032799      | 0.70032799       | 0.007013101       | 0.010036445 | 0.005347934       | -31.13663074                               | 998.5996109            | 0.140038908                                 |
| 0.8A            | 0.800759823     | 0.800759823      | 0.00802108        | 0.009985816 | 0.006315371       | -27.00883229                               | 998.3192699            | 0.168073013                                 |
| 0.9A            | 0.902117245     | 0.902117245      | 0.009033216       | 0.009963353 | 0.007307244       | -23.62001401                               | 998.6667428            | 0.133325716                                 |
| 1A              | 1.00029758      | 1.00029758       | 0.010011421       | 0.009963023 | 0.008285119       | -20.83617831                               | 999.1564035            | 0.084359649                                 |
| 2A              | 2.00025149      | 2.00025149       | 0.019973985       | 0.009944378 | 0.018210389       | -9.684562094                               | 1001.428338            | -0.142833789                                |
| 3A              | 3.00047505      | 3.00047505       | 0.029920587       | 0.010106399 | 0.028643128       | -4.459912367                               | 1002.812903            | -0.281290272                                |
| 4A              | 4.01780725      | 0.040178073      | 0.040202152       | 0.009799214 | 0.037690483       | -6.663933998                               | 999.4010495            | 0.059895053                                 |
| 5A              | 5.00619835      | 0.050061984      | 0.049887607       | 0.009916172 | 0.047961454       | -4.016044779                               | 1003.495385            | -0.349538513                                |
| 7A              | 6.99657722      | 0.034982886      | 0.069624546       | 0.010043266 | 0.068587617       | -1.511830389                               | 1004.900951            | -0.490095119                                |
| 9A              | 9.01595834      | 0.045079792      | 0.089905727       | 0.009973279 | 0.088237799       | -1.890264986                               | 1002.82358             | -0.282357985                                |
| 11A             | 11.01223385     | 0.022024468      | 0.10981514        | 0.010057319 | 0.109072676       | -0.680705834                               | 1002.797415            | -0.279741482                                |
| 13A             | 13.0075625      | 0.026015125      | 0.129882796       | 0.010047104 | 0.129007465       | -0.678512126                               | 1001.484639            | -0.14846385                                 |
| 15A             | 15.011362       | 0.030022724      | 0.150015178       | 0.010048485 | 0.149160584       | -0.572935493                               | 1000.656214            | -0.06562136                                 |
| 18A             | 18.030659       | 0.036061318      | 0.18035454        | 0.010073169 | 0.179945012       | -0.227585165                               | 999.7341348            | 0.026586522                                 |
| 21A             | 21.01078215     | 0.04202          |                   |             |                   |  |                        |   |

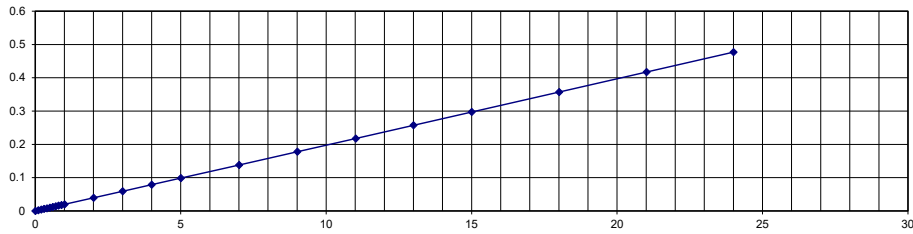
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                    |               |
|--------------------|---------------|
| <b>PRODUCT:</b>    | CR8420-1000-A |
| <b>Lot #:</b>      | 1837          |
| <b>URNS/RATIO:</b> | 1000          |
| <b>DATE:</b>       | July 17, 2020 |
| <b>TESTER:</b>     | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 20   |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001697821     | 0.001697821      | 5.42984E-05       | 0.019860297 | -0.001664102      | 103.262924                                 | 625.3671396            | 37.46328604                                 |
| 0.1A            | 0.10043007      | 0.10043007       | 0.00201515        | 0.019627999 | 0.00027342        | -637.0160723                               | 996.7502273            | 0.324977268                                 |
| 0.2A            | 0.201894527     | 0.201894527      | 0.004006694       | 0.019771039 | 0.002293843       | -74.67166644                               | 1007.786002            | -0.778600183                                |
| 0.3A            | 0.298795522     | 0.298795522      | 0.005922528       | 0.019723465 | 0.004195462       | -41.1650962                                | 1009.013499            | -0.901349936                                |
| 0.4A            | 0.399761931     | 0.399761931      | 0.007913935       | 0.019655027 | 0.00615951        | -28.48318777                               | 1010.273454            | -1.027345414                                |
| 0.5A            | 0.501146264     | 0.501146264      | 0.009906647       | 0.01975658  | 0.008203115       | -20.76689061                               | 1011.737405            | -1.173740526                                |
| 0.6A            | 0.599715478     | 0.599715478      | 0.011854038       | 0.019779969 | 0.010164533       | -16.62157047                               | 1011.833273            | -1.183327284                                |
| 0.7A            | 0.703369365     | 0.703369365      | 0.013904308       | 0.019736594 | 0.012184294       | -14.11664929                               | 1011.728674            | -1.172867414                                |
| 0.8A            | 0.800201556     | 0.800201556      | 0.015815446       | 0.019701674 | 0.014067489       | -12.42550353                               | 1011.924123            | -1.192412294                                |
| 0.9A            | 0.898221331     | 0.898221331      | 0.0177466         | 0.019714405 | 0.016010078       | -10.84642627                               | 1012.274302            | -1.22743019                                 |
| 1A              | 1.00374912      | 1.00374912       | 0.019827017       | 0.019639975 | 0.018015787       | -10.05357296                               | 1012.506435            | -1.250643497                                |
| 2A              | 2.00598417      | 2.00598417       | 0.039510889       | 0.019575317 | 0.037569955       | -5.16618617                                | 1015.408274            | -1.540827398                                |
| 3A              | 3.00009781      | 3.00009781       | 0.058970979       | 0.019908996 | 0.058031115       | -1.619586198                               | 1017.482798            | -1.748279792                                |
| 4A              | 4.00228068      | 0.040022807      | 0.078923433       | 0.019738063 | 0.077299447       | -2.100902524                               | 1014.218593            | -1.421859328                                |
| 5A              | 5.00496675      | 0.050049668      | 0.098714514       | 0.019601557 | 0.096407322       | -2.393171353                               | 1014.028542            | -1.40285419                                 |
| 7A              | 7.00556134      | 0.035027807      | 0.137929284       | 0.019911441 | 0.137792997       | -0.098907327                               | 1015.819286            | -1.581928606                                |
| 9A              | 9.00781748      | 0.045039087      | 0.177797088       | 0.019802592 | 0.176680316       | -0.632086414                               | 1013.269405            | -1.326940518                                |
| 11A             | 11.0139518      | 0.022027904      | 0.217523748       | 0.019941088 | 0.217932356       | 0.187493175                                | 1012.666608            | -1.266660779                                |
| 13A             | 13.0021574      | 0.026004315      | 0.25717073        | 0.019962365 | 0.25785599        | 0.26575294                                 | 1011.169304            | -1.116930375                                |
| 15A             | 15.0038814      | 0.030007763      | 0.297129875       | 0.019971995 | 0.297959629       | 0.278478691                                | 1009.920756            | -0.992075603                                |
| 18A             | 18.0054593      | 0.036010919      | 0.357077375       | 0.020004903 | 0.35849965        | 0.396729813                                | 1008.490628            | -0.849062756                                |
| 21A             | 21.01306        | 0.04202612       | 0.417244136       | 0.019993597 | 0.418428824       | 0.283127672                                | 1007.230932            | -0.723093206                                |
| 24A             | 24.00084745     | 0.048001695      | 0.476980753       | 0.019873496 | 0.475282932       | -0.357223257                               | 1006.365448            | -0.636544762                                |

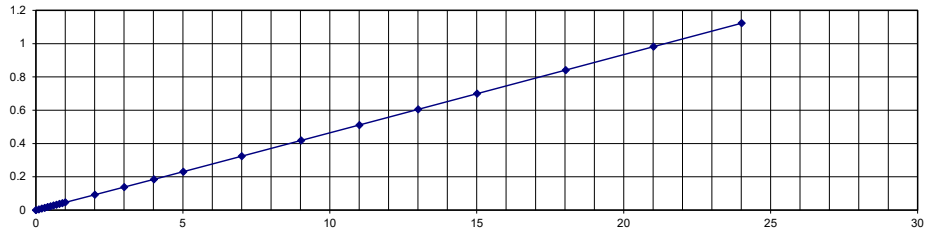
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                     |               |
|---------------------|---------------|
| <b>PRODUCT:</b>     | CR8420-1000-A |
| <b>Lot #:</b>       | 1837          |
| <b>TURNS/RATIO:</b> | 1000          |
| <b>DATE:</b>        | July 17, 2020 |
| <b>TESTER:</b>      | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 47   |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001682233     | 0.001682233      | 8.9738E-05        | 0.046371557 | -0.001604225      | 105.5938533                                | 881.0642649            | 11.89357351                                 |
| 0.1A            | 0.100083032     | 0.100083032      | 0.004652736       | 0.046140605 | 0.002935659       | -58.49036419                               | 1010.997011            | -1.099701135                                |
| 0.2A            | 0.200242338     | 0.200242338      | 0.009274147       | 0.046403343 | 0.007609681       | -21.87301039                               | 1014.798404            | -1.479840371                                |
| 0.3A            | 0.300644837     | 0.300644837      | 0.013933159       | 0.04632344  | 0.01224467        | -13.7895796                                | 1014.149587            | -1.414958664                                |
| 0.4A            | 0.400375577     | 0.400375577      | 0.01855303        | 0.046353294 | 0.016876494       | -9.934147081                               | 1014.263019            | -1.426301906                                |
| 0.5A            | 0.500480041     | 0.500480041      | 0.023193202       | 0.046287976 | 0.021483975       | -7.955818722                               | 1014.200727            | -1.420072712                                |
| 0.6A            | 0.600275905     | 0.600275905      | 0.02781255        | 0.046323746 | 0.026124796       | -6.460353929                               | 1014.397002            | -1.439700179                                |
| 0.7A            | 0.700770659     | 0.700770659      | 0.032467844       | 0.046396639 | 0.03083117        | -5.30850215                                | 1014.425882            | -1.442588172                                |
| 0.8A            | 0.800472491     | 0.800472491      | 0.037093674       | 0.04625346  | 0.035342389       | -4.955194541                               | 1014.248615            | -1.424861508                                |
| 0.9A            | 0.9008441       | 0.9008441        | 0.041736208       | 0.04614376  | 0.039886101       | -4.638474017                               | 1014.459026            | -1.445902567                                |
| 1A              | 1.0008724       | 1.0008724        | 0.04635189        | 0.045710974 | 0.044068619       | -5.181170685                               | 1014.86699             | -1.486699042                                |
| 2A              | 2.00223062      | 2.00223062       | 0.092124949       | 0.046078362 | 0.090577275       | -1.708678125                               | 1021.491354            | -2.149135448                                |
| 3A              | 3.0006633       | 3.0006633        | 0.138131092       | 0.045971329 | 0.136262246       | -1.371506731                               | 1020.995151            | -2.099515075                                |
| 4A              | 4.01462851      | 0.040146285      | 0.18474442        | 0.04618864  | 0.183747997       | -0.542276821                               | 1021.343649            | -2.134364854                                |
| 5A              | 5.01242412      | 0.050124241      | 0.230831242       | 0.046711604 | 0.232456139       | 0.699012186                                | 1020.589464            | -2.05894644                                 |
| 7A              | 7.00300476      | 0.035015024      | 0.323814457       | 0.046861864 | 0.326491627       | 0.819981102                                | 1016.450058            | -1.645005837                                |
| 9A              | 9.02247996      | 0.0451124        | 0.41845083        | 0.046838334 | 0.420915693       | 0.585595335                                | 1013.396384            | -1.339638428                                |
| 11A             | 11.00394655     | 0.022007893      | 0.511259423       | 0.046927229 | 0.514702487       | 0.668942591                                | 1011.591111            | -1.159111125                                |
| 13A             | 13.0049211      | 0.026009842      | 0.605159614       | 0.047016934 | 0.609769285       | 0.755969723                                | 1010.033184            | -1.003318391                                |
| 15A             | 15.0119686      | 0.030023937      | 0.699524834       | 0.046987402 | 0.703691168       | 0.592068564                                | 1008.631131            | -0.86311306                                 |
| 18A             | 18.02507225     | 0.036050145      | 0.841102746       | 0.04707253  | 0.846803529       | 0.67321201                                 | 1007.223433            | -0.72234335                                 |
| 21A             | 21.01233165     | 0.042024663      | 0.981720605       | 0.046991331 | 0.9857152         | 0.405248352                                | 1005.968075            | -0.596807536                                |
| 24A             | 24.0132625      | 0.048026525      | 1.12273834        | 0.046754927 | 1.121056107       | -0.150057867                               | 1005.241647            | -0.524164651                                |

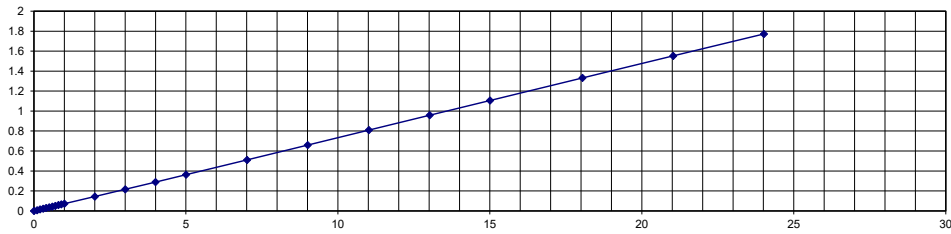
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                    |               |
|--------------------|---------------|
| <b>PRODUCT:</b>    | CR8420-1000-A |
| <b>Lot #:</b>      | 1837          |
| <b>URNS/RATIO:</b> | 1000          |
| <b>DATE:</b>       | July 17, 2020 |
| <b>TESTER:</b>     | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 75   |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001660209     | 0.001660209      | 0.000130362       | 0.07218504  | -0.001540367      | 108.4630441                                | 955.1537571            | 4.484624293                                 |
| 0.1A            | 0.100930069     | 0.100930069      | 0.007296161       | 0.072342959 | 0.005641371       | -29.33311397                               | 1037.498414            | -3.749841396                                |
| 0.2A            | 0.20016797      | 0.20016797       | 0.014475324       | 0.07256441  | 0.012864862       | -12.51830282                               | 1037.11652             | -3.711651955                                |
| 0.3A            | 0.300639288     | 0.300639288      | 0.021765966       | 0.072629905 | 0.020175194       | -7.884791358                               | 1035.926758            | -3.592675832                                |
| 0.4A            | 0.400289585     | 0.400289585      | 0.029003558       | 0.072657597 | 0.027423871       | -5.760263112                               | 1035.104703            | -3.510470298                                |
| 0.5A            | 0.500481858     | 0.500481858      | 0.036283287       | 0.072710072 | 0.034729863       | -4.472877442                               | 1034.529725            | -3.452972539                                |
| 0.6A            | 0.601131802     | 0.601131802      | 0.043601552       | 0.072465323 | 0.041901002       | -4.058496276                               | 1034.020189            | -3.402018916                                |
| 0.7A            | 0.699727069     | 0.699727069      | 0.05074629        | 0.072371175 | 0.048979861       | -3.606438969                               | 1034.155013            | -3.415501261                                |
| 0.8A            | 0.800747767     | 0.800747767      | 0.058057277       | 0.072099131 | 0.05607301        | -3.538720521                               | 1034.428172            | -3.442817235                                |
| 0.9A            | 0.900722991     | 0.900722991      | 0.065265403       | 0.071374236 | 0.062628206       | -4.210877518                               | 1035.069437            | -3.506943657                                |
| 1A              | 0.999901919     | 0.999901919      | 0.072344224       | 0.071762675 | 0.070095428       | -3.208192147                               | 1036.608594            | -3.660859421                                |
| 2A              | 2.00099061      | 2.00099061       | 0.144185026       | 0.072395261 | 0.143202029       | -0.686440533                               | 1040.845224            | -4.084522445                                |
| 3A              | 3.00013671      | 3.00013671       | 0.216518469       | 0.072262437 | 0.21513698        | -0.642143931                               | 1039.219676            | -3.921967622                                |
| 4A              | 3.99948206      | 0.039994821      | 0.288733599       | 0.073926004 | 0.294005519       | 1.793136429                                | 1038.885518            | -3.888551779                                |
| 5A              | 5.00557826      | 0.050055783      | 0.363110271       | 0.073808772 | 0.367795374       | 1.273834081                                | 1033.896311            | -3.389631052                                |
| 7A              | 7.00910048      | 0.035045502      | 0.510987785       | 0.074338424 | 0.519385275       | 1.616813313                                | 1028.757539            | -2.87575387                                 |
| 9A              | 9.00768678      | 0.045038434      | 0.659559541       | 0.074495953 | 0.669375999       | 1.466508852                                | 1024.284339            | -2.428433902                                |
| 11A             | 11.01845485     | 0.02203691       | 0.809353624       | 0.074403112 | 0.818147126       | 1.074806983                                | 1021.042087            | -2.104208747                                |
| 13A             | 13.01642585     | 0.026032852      | 0.958008885       | 0.074271484 | 0.965089056       | 0.733628747                                | 1019.0218              | -1.902180036                                |
| 15A             | 15.0047745      | 0.030009549      | 1.10568649        | 0.074279824 | 1.112891797       | 0.647440019                                | 1017.791298            | -1.779129769                                |
| 18A             | 18.04327215     | 0.036086544      | 1.33138556        | 0.074062531 | 1.3346702         | 0.246101278                                | 1016.418874            | -1.641887362                                |
| 21A             | 21.02912        | 0.04205824       | 1.55252501        | 0.073479786 | 1.543555023       | -0.581125156                               | 1015.883152            | -1.588315154                                |
| 24A             | 24.0146219      | 0.048029244      | 1.77189905        | 0.073784174 | 1.770238841       | -0.093784456                               | 1016.478135            | -1.647813542                                |

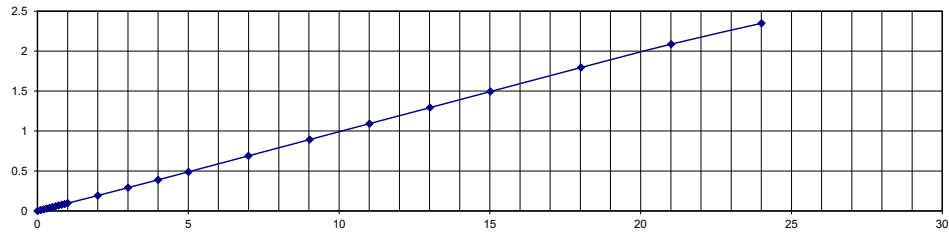
**CURRENT TRANSFORMER CHARACTERISTICS TEST**

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                    |               |
|--------------------|---------------|
| <b>PRODUCT:</b>    | CR8420-1000-A |
| <b>Lot #:</b>      | 1837          |
| <b>URNS/RATIO:</b> | 1000          |
| <b>DATE:</b>       | July 17, 2020 |
| <b>TESTER:</b>     | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 100  |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001684002     | 0.001684002      | 0.000173784       | 0.095983703 | -0.001522366      | 111.4153834                                | 969.0211115            | 3.097888845                                 |
| 0.1A            | 0.100955557     | 0.100955557      | 0.009702235       | 0.096666389 | 0.008075007       | -20.15141922                               | 1040.539153            | -4.053915287                                |
| 0.2A            | 0.200322648     | 0.200322648      | 0.019307693       | 0.097175239 | 0.017782399       | -8.577550727                               | 1037.527611            | -3.752761101                                |
| 0.3A            | 0.300129546     | 0.300129546      | 0.029006452       | 0.09735264  | 0.027534401       | -5.346225471                               | 1034.699252            | -3.469925195                                |
| 0.4A            | 0.400725943     | 0.400725943      | 0.038799777       | 0.097281981 | 0.037299411       | -4.0224923                                 | 1032.804753            | -3.280475281                                |
| 0.5A            | 0.499620398     | 0.499620398      | 0.048420426       | 0.097100706 | 0.046829491       | -3.397291837                               | 1031.838095            | -3.183809472                                |
| 0.6A            | 0.600274329     | 0.600274329      | 0.058193994       | 0.096807915 | 0.056427304       | -3.130912339                               | 1031.505647            | -3.150564671                                |
| 0.7A            | 0.700671447     | 0.700671447      | 0.067913229       | 0.096469479 | 0.065909407       | -3.040267162                               | 1031.715698            | -3.171569848                                |
| 0.8A            | 0.799970929     | 0.799970929      | 0.077492599       | 0.094743569 | 0.074108099       | -4.566977111                               | 1032.319143            | -3.231914336                                |
| 0.9A            | 0.900690772     | 0.900690772      | 0.087035156       | 0.094982518 | 0.083865875       | -3.778986998                               | 1034.858573            | -3.485857259                                |
| 1A              | 1.0003698       | 1.0003698        | 0.096502921       | 0.096179731 | 0.094531296       | -2.085685292                               | 1036.621265            | -3.662126455                                |
| 2A              | 2.00047287      | 2.00047287       | 0.192692565       | 0.098051162 | 0.194464687       | 0.911282167                                | 1038.168167            | -3.8168167                                  |
| 3A              | 3.00267929      | 3.00267929       | 0.290960069       | 0.098606202 | 0.2943988         | 1.168051872                                | 1031.990163            | -3.199016288                                |
| 4A              | 3.9984387       | 0.039984387      | 0.389148123       | 0.099516396 | 0.396226207       | 1.786374581                                | 1027.485028            | -2.748502785                                |
| 5A              | 5.00543231      | 0.050054323      | 0.489360498       | 0.100463503 | 0.501179264       | 2.358191281                                | 1022.851728            | -2.285172801                                |
| 7A              | 6.99274662      | 0.034963733      | 0.689013056       | 0.100463019 | 0.700828436       | 1.685916119                                | 1014.893195            | -1.489319529                                |
| 9A              | 9.02023924      | 0.045101196      | 0.892701086       | 0.100604349 | 0.905791294       | 1.44516825                                 | 1010.443404            | -1.04434039                                 |
| 11A             | 11.00719215     | 0.022014384      | 1.09259719        | 0.099731724 | 1.096082242       | 0.317955342                                | 1007.433682            | -0.743368652                                |
| 13A             | 13.00788945     | 0.026015779      | 1.29213018        | 0.100533686 | 1.306047067       | 1.06557314                                 | 1006.701155            | -0.67011553                                 |
| 15A             | 15.01624395     | 0.030032488      | 1.49403746        | 0.100052888 | 1.500734566       | 0.446255179                                | 1005.078142            | -0.507814242                                |
| 18A             | 18.01675835     | 0.036033517      | 1.79424759        | 0.09789708  | 1.762104036       | -1.824157589                               | 1004.140033            | -0.414003343                                |
| 21A             | 21.0081635      | 0.042016327      | 2.08709742        | 0.087154507 | 1.829272125       | -14.09441991                               | 1006.57321             | -0.657321018                                |
| 24A             | 24.0020571      | 0.048004114      | 2.34802874        | 0.097826146 | 2.346344738       | -0.07177131                                | 1022.221606            | -2.22216062                                 |

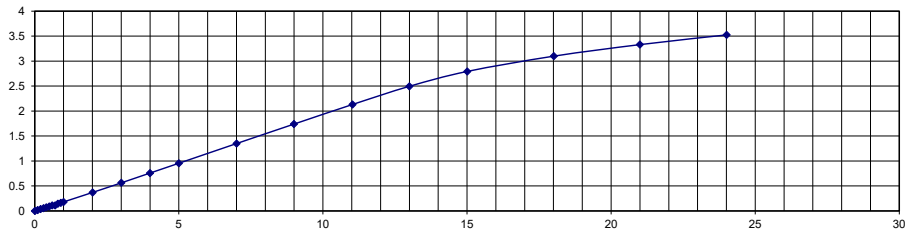
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                     |               |
|---------------------|---------------|
| <b>PRODUCT:</b>     | CR8420-1000-A |
| <b>Lot #:</b>       | 1837          |
| <b>TURNS/RATIO:</b> | 1000          |
| <b>DATE:</b>        | July 17, 2020 |
| <b>TESTER:</b>      | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 200  |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.00171818      | 0.00171818       | 0.000340504       | 0.175345819 | -0.001416904      | 124.0315718                                | 1009.197007            | -0.91970074                                 |
| 0.1A            | 0.1001488       | 0.1001488        | 0.017599902       | 0.181366116 | 0.016445419       | -7.020089264                               | 1138.060876            | -13.80608759                                |
| 0.2A            | 0.201157069     | 0.201157069      | 0.03591938        | 0.183214449 | 0.035136641       | -2.227697479                               | 1120.047572            | -12.00475721                                |
| 0.3A            | 0.300175613     | 0.300175613      | 0.054060978       | 0.182974231 | 0.053206222       | -1.6064957                                 | 1110.507524            | -11.0507524                                 |
| 0.4A            | 0.399601789     | 0.399601789      | 0.072253406       | 0.18153522  | 0.070823619       | -2.018799843                               | 1106.111979            | -10.61119791                                |
| 0.5A            | 0.500681915     | 0.500681915      | 0.090603009       | 0.181114254 | 0.088962451       | -1.844100854                               | 1105.221386            | -10.52213864                                |
| 0.6A            | 0.602912092     | 0.602912092      | 0.109118351       | 0.002710887 | -8.37535E-05      | 130385.0876                                | 1105.060856            | -10.50608564                                |
| 0.7A            | 0.705264584     | 0.705264584      | 0.109395817       | 0.368406996 | 0.258106227       | 57.61597145                                | 1289.381264            | -28.9381264                                 |
| 0.8A            | 0.800756169     | 0.800756169      | 0.144575585       | 0.178754774 | 0.141420808       | -2.230772683                               | 1107.733604            | -10.77336038                                |
| 0.9A            | 0.900805564     | 0.900805564      | 0.162459892       | 0.184082754 | 0.164104589       | 1.002224908                                | 1108.957482            | -10.89574823                                |
| 1A              | 1.00095481      | 1.00095481       | 0.180895641       | 0.188319413 | 0.186781042       | 3.150962822                                | 1106.665483            | -10.66654834                                |
| 2A              | 2.00346999      | 2.00346999       | 0.369688711       | 0.192921128 | 0.384793511       | 3.925429955                                | 1083.868633            | -8.386863347                                |
| 3A              | 2.99957475      | 2.99957475       | 0.561858365       | 0.196599726 | 0.587997394       | 4.445432859                                | 1067.733414            | -6.773341356                                |
| 4A              | 3.9994839       | 0.039994839      | 0.75844023        | 0.196233088 | 0.783112896       | 3.150588665                                | 1054.660273            | -5.466027297                                |
| 5A              | 4.99906445      | 0.049990645      | 0.954591008       | 0.196988298 | 0.983039018       | 2.893884141                                | 1047.373044            | -4.737304418                                |
| 7A              | 7.00241478      | 0.035012074      | 1.34922758        | 0.19560297  | 1.367974949       | 1.370446828                                | 1037.988681            | -3.79886809                                 |
| 9A              | 8.99416746      | 0.044970837      | 1.73882032        | 0.19328162  | 1.736689077       | -0.122718726                               | 1034.513728            | -3.451372825                                |
| 11A             | 11.02124065     | 0.022042481      | 2.13061631        | 0.184553896 | 2.032294718       | -4.83795931                                | 1034.55893             | -3.455893004                                |
| 13A             | 12.994557       | 0.025989114      | 2.49479953        | 0.148546779 | 1.928581412       | -29.35930598                               | 1041.731557            | -4.173155749                                |
| 15A             | 15.00555415     | 0.030011108      | 2.79352668        | 0.101807744 | 1.525963439       | -83.06642269                               | 1074.308991            | -7.430899139                                |
| 18A             | 18.0082217      | 0.036016443      | 3.09922149        | 0.077356888 | 1.391341817       | -122.7505457                               | 1162.112599            | -16.21125988                                |
| 21A             | 20.99518905     | 0.041990378      | 3.33028399        | 0.064618208 | 1.354953308       | -145.7858858                               | 1260.864786            | -26.08647859                                |
| 24A             | 24.0040591      | 0.048008118      | 3.52471178        | 0.146838156 | 3.5229936         | -0.04877045                                | 1362.043798            | -36.20437981                                |



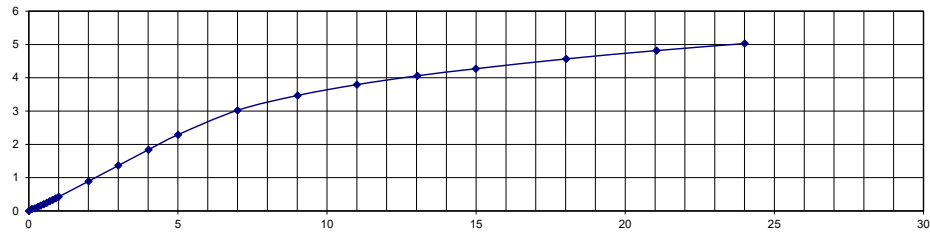
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                    |               |
|--------------------|---------------|
| <b>PRODUCT:</b>    | CR8420-1000-A |
| <b>Lot #:</b>      | 1837          |
| <b>URNS/RATIO:</b> | 1000          |
| <b>DATE:</b>       | July 17, 2020 |
| <b>TESTER:</b>     | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 500  |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001714941     | 0.001714941      | 0.000826123       | 0.535504866 | -0.000796582      | 203.7085753                                | 1037.944584            | -3.794458368                                |
| 0.1A            | 0.102035259     | 0.102035259      | 0.054548142       | 0.236237014 | 0.022389564       | -143.6319954                               | 935.2771264            | 6.47228736                                  |
| 0.2A            | 0.201409162     | 0.201409162      | 0.078023936       | 0.418458346 | 0.082566404       | 5.501593597                                | 1290.688294            | -29.06882943                                |
| 0.3A            | 0.300843147     | 0.300843147      | 0.119632917       | 0.415418809 | 0.123260961       | 2.943384505                                | 1257.359406            | -25.73594064                                |
| 0.4A            | 0.400472206     | 0.400472206      | 0.161020702       | 0.414311387 | 0.164205254       | 1.939373064                                | 1243.542604            | -24.35426036                                |
| 0.5A            | 0.501018127     | 0.501018127      | 0.202678022       | 0.430842031 | 0.214144727       | 5.354651847                                | 1235.995206            | -23.59952057                                |
| 0.6A            | 0.600398185     | 0.600398185      | 0.245495128       | 0.429628798 | 0.25623341        | 4.190820259                                | 1222.831161            | -22.28311614                                |
| 0.7A            | 0.700144271     | 0.700144271      | 0.288348919       | 0.448231122 | 0.312111511       | 7.613494402                                | 1214.057388            | -21.40573882                                |
| 0.8A            | 0.798969515     | 0.798969515      | 0.332645469       | 0.449205187 | 0.35718631        | 6.870599483                                | 1200.932508            | -20.09325084                                |
| 0.9A            | 0.902051822     | 0.902051822      | 0.378950576       | 0.455397826 | 0.409077498       | 7.364600236                                | 1190.197191            | -19.01971908                                |
| 1A              | 1.00002911      | 1.00002911       | 0.42356922        | 0.466541739 | 0.46484038        | 8.878565951                                | 1180.478966            | -18.04789663                                |
| 2A              | 2.0014994       | 2.0014994        | 0.890796911       | 0.472034537 | 0.943061902       | 5.542053037                                | 1123.431938            | -12.34319379                                |
| 3A              | 3.00146178      | 3.00146178       | 1.36281369        | 0.470391652 | 1.410147623       | 3.356665094                                | 1101.200334            | -10.12003336                                |
| 4A              | 4.01327421      | 0.040132742      | 1.83876181        | 0.454884694 | 1.823862068       | -0.816933583                               | 1091.29801             | -9.129801048                                |
| 5A              | 5.00183992      | 0.050018399      | 2.28844522        | 0.367540715 | 1.836664878       | -24.59786469                               | 1092.846767            | -9.284676694                                |
| 7A              | 6.99540994      | 0.03497705       | 3.02116337        | 0.221632438 | 1.548694817       | -95.07803199                               | 1157.734469            | -15.7734469                                 |
| 9A              | 9.01414896      | 0.045070745      | 3.46858142        | 0.163688473 | 1.473797335       | -135.3499588                               | 1299.399937            | -29.93999374                                |
| 11A             | 10.9993901      | 0.02199878       | 3.79354251        | 0.131132664 | 1.440664386       | -163.3189623                               | 1449.751791            | -44.97517915                                |
| 13A             | 13.0303313      | 0.026060663      | 4.05986524        | 0.108291157 | 1.409354712       | -188.0655384                               | 1604.773869            | -60.47738693                                |
| 15A             | 14.9865251      | 0.02997305       | 4.27170373        | 0.097467446 | 1.45898338        | -192.7863189                               | 1754.162513            | -75.4162513                                 |
| 18A             | 18.0188983      | 0.036037797      | 4.5672614         | 0.082366458 | 1.482437882       | -208.0912499                               | 1972.615176            | -97.26151759                                |
| 21A             | 21.0489826      | 0.042097965      | 4.81683871        | 0.07155587  | 1.504463314       | -220.1699014                               | 2184.937452            | -118.4937452                                |
| 24A             | 24.00367005     | 0.04800734       | 5.02826394        | 0.209478964 | 5.026548999       | -0.034117656                               | 2386.874509            | -138.6874509                                |

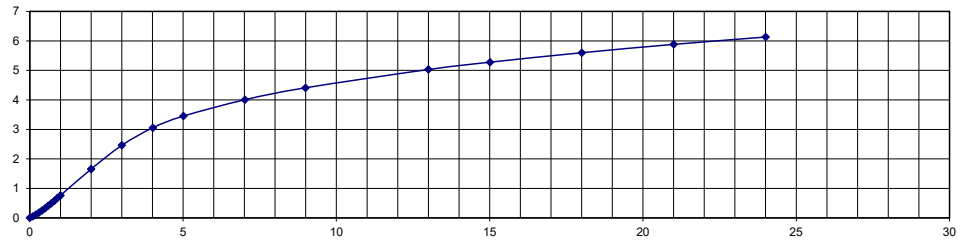
# CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

|                     |               |
|---------------------|---------------|
| <b>PRODUCT:</b>     | CR8420-1000-A |
| <b>Lot #:</b>       | 1837          |
| <b>TURNS/RATIO:</b> | 1000          |
| <b>DATE:</b>        | July 17, 2020 |
| <b>TESTER:</b>      | lb            |

**TEST SETUP**

|  |      |
|--|------|
| <b>FULL SCALE PRIMARY CURRENT(Amps):</b> | 20   |
| <b>Burden (Ohms):</b>                    | 1000 |
| <b>MEASUREMENT CT TURNS RATIO:</b>       | 1000 |
| <b>FREQUENCY(Hz):</b>                    | 60   |



| Input Current R | Primary Current | MEASURED CURRENT | Secondary Voltage | Slope       | Normalized Output | % Linear Error<br>Affected by Core and DCR | Equivalent Turns Ratio | % Absolute Error<br>Affected by turns ratio |
|-----------------|-----------------|------------------|-------------------|-------------|-------------------|--|------------------------|---|
| 0A              | 0.001745388     | 0.001745388      | 0.001602327       | 0.48922801  | -0.000891495      | 279.7347993                                | 1089.283075            | -8.928307527                                |
| 0.1A            | 0.100744288     | 0.100744288      | 0.050035362       | 0.605635288 | 0.059268908       | 15.57907201                                | 2013.461755            | -101.3461755                                |
| 0.2A            | 0.200221959     | 0.200221959      | 0.11028255        | 0.668312706 | 0.132065491       | 16.4940487                                 | 1815.536175            | -81.5536175                                 |
| 0.3A            | 0.30034145      | 0.30034145       | 0.177193678       | 0.724133686 | 0.215741973       | 17.86777726                                | 1694.989649            | -69.49896486                                |
| 0.4A            | 0.400759187     | 0.400759187      | 0.249909544       | 0.768469612 | 0.306225869       | 18.39045322                                | 1603.616975            | -60.36169751                                |
| 0.5A            | 0.500429849     | 0.500429849      | 0.326503419       | 0.812713593 | 0.404960753       | 19.37405862                                | 1532.694054            | -53.26940543                                |
| 0.6A            | 0.599587029     | 0.599587029      | 0.407089807       | 0.869614237 | 0.519664029       | 21.66288517                                | 1472.861808            | -47.28618076                                |
| 0.7A            | 0.701965699     | 0.701965699      | 0.496119756       | 0.865925977 | 0.606104945       | 18.14622869                                | 1414.911804            | -41.49118041                                |
| 0.8A            | 0.800034778     | 0.800034778      | 0.581040319       | 0.901578587 | 0.719548836       | 19.24935604                                | 1376.900624            | -37.69006243                                |
| 0.9A            | 0.902739379     | 0.902739379      | 0.673636588       | 0.898703759 | 0.809549885       | 16.78874887                                | 1340.098497            | -34.00984968                                |
| 1A              | 1.00078278      | 1.00078278       | 0.761748561       | 0.894157731 | 0.893112271       | 14.70853269                                | 1313.796745            | -31.37967451                                |
| 2A              | 2.00170426      | 2.00170426       | 1.65673024        | 0.80372332  | 1.607071006       | -3.090046012                               | 1208.225824            | -20.82258244                                |
| 3A              | 3.0006669       | 3.0006669        | 2.45961981        | 0.58935113  | 1.766701039       | -39.22105413                               | 1219.971838            | -21.99718378                                |
| 4A              | 4.01044893      | 0.040104489      | 3.05473599        | 0.396462623 | 1.588247715       | -92.33372486                               | 1312.862697            | -31.28626969                                |
| 5A              | 5.00907366      | 0.050090737      | 3.45065337        | 0.276660279 | 1.38406633        | -149.3127168                               | 1451.630495            | -45.16304951                                |
| 7A              | 7.01866044      | 0.035093302      | 4.00662621        | 0.204554482 | 1.433953063       | -179.4112523                               | 1751.763222            | -75.17632223                                |
| 9A              | 8.98982292      | 0.044949115      | 4.40983633        | 0.154757358 | 1.389495856       | -217.3695202                               | 2038.584257            | -103.8584257                                |
| 13A             | 13.0035146      | 0.026007029      | 5.03098465        | 0.123191678 | 1.600179391       | -214.4012902                               | 2584.685803            | -158.4685803                                |
| 15A             | 15.01033945     | 0.030020679      | 5.27820877        | 0.107166831 | 1.606865121       | -228.4786445                               | 2843.832085            | -184.3832085                                |
| 18A             | 18.007891       | 0.036015782      | 5.59944687        | 0.094439804 | 1.698916311       | -229.589329                                | 3216.012477            | -221.6012477                                |
| 21A             | 21.00727545     | 0.042014551      | 5.88270815        | 0.083044222 | 1.742787453       | -237.5459319                               | 3571.021189            | -257.1021189                                |
| 24A             | 24.00521275     | 0.048010426      | 6.13166952        | 0.255430751 | 6.129924132       | -0.028473238                               | 3914.955408            | -291.4955408                                |