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| Field Test Results – I | Magne | etic C | Circuit | | | | | | |
|------------------------|---|-------------------------|------------------|---------------------------|-----------|-------------|-----------|--|--|
| • "Assembled" WR is | | Knee point (IEEE 30) | | Secondary WR (mΩ@75°C) | | Ratio | | | |
| unknown cause. | <u>Unit</u> | <u>Sep.</u> | <u>Assembled</u> | S <u>ep.</u> | Assembled | <u>Sep.</u> | Assembled | | |
| More difference of KP | 1 – CT1 | 58.84 | 9m- | 141 | - | 100.034 | - | | |
| voltage in separate CT | 1 – CT2 X | 80.76 | 85.44 | 120 | 117 | 2 | 100.041 | | |
| than in assembled CI. | 1 – CT2 Y | 83 28 | 85.88 | 118 | 113 | 2.001 | 100.063 | | |
| confirm this | 2 – CT1 | 59.88 | - | 150 | - | 100.03 | - | | |
| Normal Ratio | 2-ст2х | 80.56 | 83.68 | 114 | 114 | 2 | 100.035 | | |
| Assembled CT test | 2 – СТ2 Ү | 85.56 | 87.64 | 123 | 113 | 2 | 100.017 | | |
| compared better with | 3 – CT1 | 62.4 | - | 165 | - | 100.028 | - | | |
| factory test than | 3 – CT2 X | 88.32 | 84.36 | 116 | 112 | 2.001 | 100.028 | | |
| separate CT1 & CT2. | 3 – CT2 Y | 84.48 | 83.6 | 114 | 111 | 2 | 100.046 | | |
| | Source CT1 & CT2 Y 84.48 83.6 114 111 2 100.046 ©2022 Doble Engineering Company. All Rights Reserved. | | | | | | | | |





















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Field Test Results – Insulation System

Results, re-arranged according to current understanding of the model

| | Test | t Info | Unit 1 | | C | Unit 2 | | | Unit 3 | | |
|---|-----------------|-----------------|--------|--------|----|--------|--------|----|--------|--------|----|
| # | Setup | Unit | PF (%) | C (pF) | CC | PF (%) | C (pF) | °C | PF (%) | C (pF) | °C |
| 1 | Figure 5 | C1+C3 | 0.05 | 533 | 17 | 0.05 | 542 | 18 | 0.05 | 539 | 17 |
| 2 | Figure 6 | C2+C4 | 0.05 | 544 | 17 | 0.10 | 555 | 17 | 0.13 | 551 | 17 |
| 3 | | C2 | 0.04 | 497 | 17 | 0.04 | 507 | 17 | 0.08 | 503 | 17 |
| 4 | 4 5 Figure 7 | (C1 ser. C2)+C5 | 0.08 | 304 | 10 | 0.09 | 308 | 7 | 0.10 | 305 | 6 |
| 5 | | C1 ser. C2 | 0.02 | 234 | 10 | 0.01 | 240 | 7 | 0.03 | 236 | 6 |
| | | | | | | | | | | | |

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Diagnostic Field Test – Insulation System



• Using collar strap (CS) near the ground potential to guard out the influence of the housing surface.



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