FOR A CAR, REGULAR SERVICING PAYS OFF. AND THE SAME APPLIES TO TRANSFORMERS.

In order to guarantee the reliable operation of your power transformer, the on-load tap-changer (OLTC) must function properly. To ensure this, every OLTC requires professional maintenance. The crucial maintenance criteria for on-load tap-changers using conventional oil technology are the number of tap change operations and the time in service.

YOUR CHALLENGES

- Avoid unplanned and costly transformer outages
- Optimize asset management costs and service budget
- Update transformer equipment to state of the art technology
- Fulfill quality, safety and environmental requirements for transformer and OLTC service
- Ensure maintenance of main transformer components

OUR SOLUTIONS

- Increase transformer availability and trouble-free OLTC operation by Premium OLTC service from MR
- Raise transformer equipment life-time by regular MR OLTC service
- Upgrade OLTC to state of the art material and use of original OEM spare parts
- Provide OLTC service according to DIN ISO 9001 Quality Management and DIN ISO 14001 Environmental Management
- Get your customized service recommendation and Premium OLTC service by MR
ON-LOAD TAP-CHANGER MAINTENANCE BY MR.

MR Premium Service
- Replacement of worn parts
- Precautionary replacement of highly stressed materials
- Update of materials to latest technology and innovation standards
- Calculation of absolute values and differences in contact wear
- Measurement of transition resistors
- Visual check of insulation sections
- Cleaning of insulating materials and all components
- Replacement of insulating oil
- Inspection of motor drive unit, drive shafts and protective relay
- Commissioning, incl. visual, mechanical and electrical function tests of the complete OLTC
- Provision of detailed maintenance reports

Example of OLTC maintenance criteria

<table>
<thead>
<tr>
<th>OLTC type</th>
<th>No. of tap change operations without oil filter</th>
<th>No. of tap change operations with oil filter</th>
<th>Time interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>V III 250 Y</td>
<td>70,000</td>
<td>140,000</td>
<td>6-7 years</td>
</tr>
<tr>
<td>M III 500 Y</td>
<td>80,000</td>
<td>150,000</td>
<td>7 years</td>
</tr>
</tbody>
</table>

For more details please see operating instruction on www.reinhausen.com

Please send us your OLTC serial number and number of tap change operations. We’ll send you a customized OLTC service recommendation. We also service numerous OLTCs made by third-party manufacturers or produced under MR license.

CLIENT-FOCUSED SOLUTIONS
For optimal performance throughout the entire transformer lifetime.

- HEALTH MANAGEMENT
  sustained solutions

- LIFE MANAGEMENT
  acute solutions

- PERFORMANCE MANAGEMENT
  all-in solutions

6,000+ service jobs pa, worldwide
280 qualified service technicians
100+ years experience in the design of crucial transformer components
24/7 ready for onsite support
24 months warranty on our services

5 certified training centers
60+ years’ service history

CONTACT US AT:
SERVICE@REINHAUSEN.COM

THE POWER BEHIND POWER.