干式电力变压器交接试验报告

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 设备名称 | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |
| 1、设备参数 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 型号 | | | | | |  | | | | | | | | | 额定电压 (KVA) | | | | | | |  | | | | | | |
| 额定电压比 | | | | | |  | | | | | | | | | 额定电流 (A) | | | | | | |  | | | | | | |
| 接线组别 | | | | | |  | | | | | | | | | 冷却方式 | | | | | | |  | | | | | | |
| 短路阻抗(%) | | | | | |  | | | | | | | | | 空载电流 (%) | | | | | | |  | | | | | | |
| 额定频率 (Hz) | | | | | |  | | | | | | | | | 相数 | | | | | | |  | | | | | | |
| 产品编号 | | | | | |  | | | | | | | | | 出厂日期 | | | | | | |  | | | | | | |
| 制造厂 | | | | | |  | | | | | | | | | | | | | | | | | | | | | | |
| 2、试验依据 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 试验采用标准、设计技术参数及合同要求 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3、绕组的直流电阻测量 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 绕组 | 分接开关位置 | | 相别 | | | | | | 出厂值(mΩ)  (\_℃) | | | | | 实测值  (mΩ) | | | | | | 折算至出厂温度(mΩ) | | | | 变化误差(%) | | | 相间差  (%) |
| 高压侧 | I | | AO(A-B)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |  |
| BO(B-C)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| CO(C-A)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| Ⅱ | | AO(A-B)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |  |
| BO(B-C)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| CO(C-A)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| Ⅲ | | AO(A-B)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |  |
| BO(B-C)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| CO(C-A)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| Ⅳ | | AO(A-B)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |  |
| BO(B-C)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| CO(C-A)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| v | | A(A-B)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |  |
| B(B-C)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| C(C-A)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| 低压侧 | | | ao(a-b)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |  |
| bo(b-c)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| co(c-a)相 | | | | | |  | | | | |  | | | | | |  | | | |  | | |
| 试验环境 | | | | 环境温度： ℃ 油温： ℃ | | | | | | | | | | | | | | | | | | | | | | | |
| 试验设备 | | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | | | | | | | | | | | | | | | | |
| 试验人员 | | | |  | | | | | | | | | | | | | 试验日期 | | | | | 年 月 日 | | | | | |
| 4、所有分接头的电压比及三相接线组别 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 发展开 | 高压/低压 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 计算变化 | | | | | | AB/ ab误差 | | | | | | | BC/ bc误差 | | | | | | | | CA/ ca误差 | | | | | |
| I |  | | | | | |  | | | | | | |  | | | | | | | |  | | | | | |
| Ⅱ |  | | | | | |  | | | | | | |  | | | | | | | |  | | | | | |
| Ⅲ |  | | | | | |  | | | | | | |  | | | | | | | |  | | | | | |
| Ⅳ |  | | | | | |  | | | | | | |  | | | | | | | |  | | | | | |
| v |  | | | | | |  | | | | | | |  | | | | | | | |  | | | | | |
| 三相接线组别(与变压器铭牌是否一致) | | | | | | | | | | |  | | | | | | | | | | | | | | | | |
| 试验设备 | | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | | | | | | | | | | | | | | | | |
| 试验人员 | | | |  | | | | | | | | | | | | | 试验日期 | | | | | 年 月 日 | | | | | |
| 5、绕组连同套管的交流耐压试验 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 测试绕组 | | | | | 试前绝缘(MΩ) | | | | | 试后绝缘  (MΩ) | | | 出厂耐压值  (KV) | | | | | | 试验电压  (KV) | | | | 试验频率  ( Hz) | | | 试验时间  (min) | |
| 高压对低压及地 | | | | |  | | | | |  | | |  | | | | | |  | | | |  | | |  | |
| 低压对高压及地 | | | | |  | | | | |  | | |  | | | | | |  | | | |  | | |  | |
| 试验环境 | | | | | 环境温度： ℃ 湿度： % | | | | | | | | | | | | | | | | | | | | | | |
| 试验设备 | | | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | | | | | | | | | | | | | | | |
| 试验人员 | | | | |  | | | | | | | | | | | | | 试验日期 | | | | | 年 月 日 | | | | |
| 7、与铁心绝缘的各紧固件及铁心接地线引出套管对外壳的绝缘电阻 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 紧固件对铁心、外壳(MΩ) | | | | | | | | 铁心对外壳(MΩ) | | | | | | | | | | | | | 铁心接地点(MΩ) | | | | | | |
|  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | |
| 试验设备 | | | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | | | | | | | | | | | | | | | |
| 试验人员 | | | | |  | | | | | | | | | | | | | 试验日期 | | | | | 年 月 日 | | | | |
| 8、变压器的相位检查 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 变压器相位 | | | | | | | | 电网相位 | | | | | | | | | | | | | 检查情况 | | | | | | |
|  | | | | | | | |  | | | | | | | | | | | | |  | | | | | | |
| 试验环境 | | | | | 环境温度： ℃ | | | | | | | | | | | | | | | | | | | | | | |
| 试验设备 | | | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | | | | | | | | | | | | | | | |
| 试验人员 | | | | |  | | | | | | | | | | | | | 试验日期 | | | | | 年 月 日 | | | | |
| 9、有载调压切换装置的检查和试验 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 切换装置全过程切换检查 | | 三相同步偏差(ns) | | | | | | | |  | | | | | |  | | | | | | | | |  | | |
| 切换时间(ms) | | | | | | | |  | | | | | |  | | | | | | | | |  | | |
| 正反向切换时间偏差(ms) | | | | | | | |  | | | | | |  | | | | | | | | |  | | |
| 无电压下操作 | | 手动操作2个循环 | | | | | | | | | | 电气及机械限位动作应符合产品要求 | | | | | | | | | | | | | | | |
| 电动操作5个循环  (操作电压≥85%额定电压) | | | | | | | | | | 电气及机械限位动作应符合产品要求 | | | | | | | | | | | | | | | |
| 操作后测量直流电阻及变比 | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
| 变压器带电时电动操作情况 | | | | | | | | | | | |  | | | | | | | | | | | | | | | |
| 试验设备 | | | | | 试验仪器及仪表名称、规格、编号 | | | | | | | | | | | | | | | | | | | | | | |
| 试验人员 | | | | |  | | | | | | | | | | | | | 试验日期 | | | | | 年 月 日 | | | | |
| 10、试验结论 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 结 论 | | | | |  | | | | | | | | | | | | | | | | | | | | | | |
| 审核人员 | | | | |  | | | | | | | | | | | | | 审核日期 | | | | | 年 月 日 | | | | |