## **Transformer SE5**

Transformer's age: 27

### **Dissolved Gases**

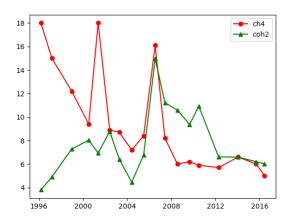


Figure 1: Graphic with ch4, coh2

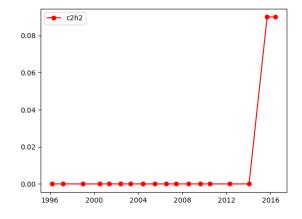


Figure 3: Graphic with c2h2

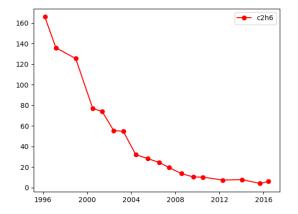


Figure 5: Graphic with c2h6

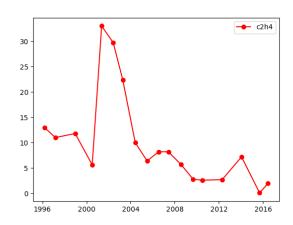


Figure 2: Graphic with c2h4

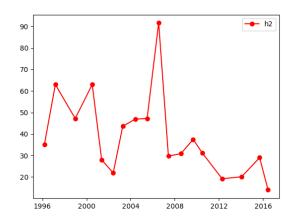


Figure 4: Graphic with h2

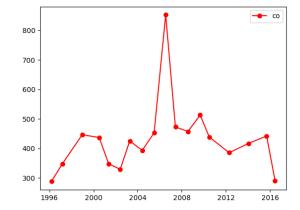


Figure 6: Graphic with co

### **Furfural**

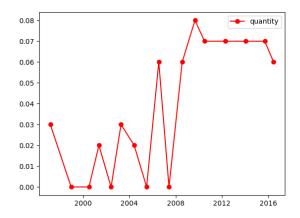
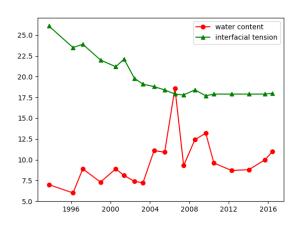


Figure 7: Graphic with quantity

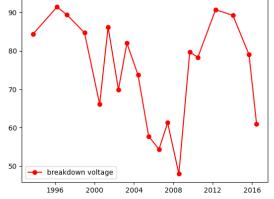
# **Oil Quality**

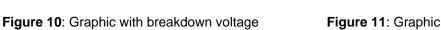


3.50 - color 3.25 3.00 2.75 2.25 2.00 1.75 1.50 1996 2000 2012 2016 2004 2008

Figure 8: Graphic with water content, interfacial tension

Figure 9: Graphic with color





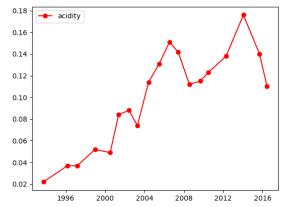
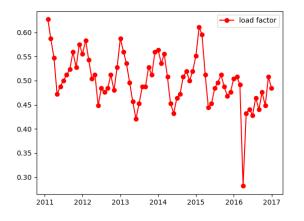


Figure 11: Graphic with acidity

#### **Load and Power Factor**

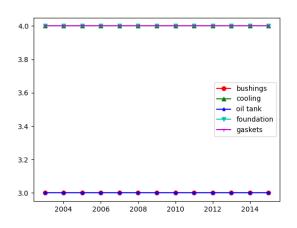


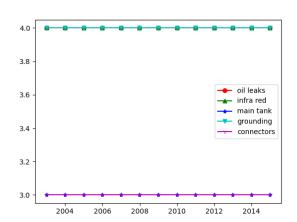
1.04 
1.02 
1.00 
0.98 
0.96 
2011 2012 2013 2014 2015 2016 2017

Figure 12: Graphic with load factor

Figure 13: Graphic with power factor

### **Maintenance Scores**





**Figure 14**: Graphic with bushings, cooling, oil tank, foundation, gaskets

**Figure 15**: Graphic with oil leaks, infra red, main tank, grounding, connectors

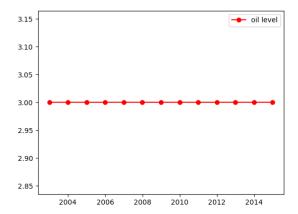


Figure 16: Graphic with oil level

### **Overall Condition**

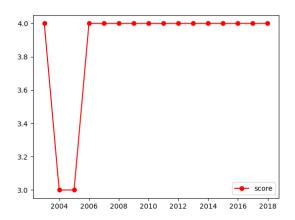


Figure 17: Graphic with score

### **Health Index**

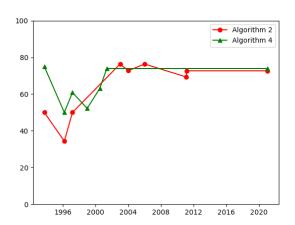


Figure 18: Graphic with Algorithm 2, Algorithm 4