

Oil Filled Transformer Maintenance Checklist

Location:

Date of Maintenance:

Transformer Label Number:

Name Plate Details

Capacity	
Make	
Serial Number	
Commissioning Year	
Manufacturer Year	
HV Voltage	
LV Voltage	
HV current	
LV current	
Vector group	
impedance	
Type of cooling	

S. No	Description	Action
1	Complete visual inspection.	
2	Check the oil level.	
3	Check the color of the Breather and the amount of oil in its cup.	
4	Examine the bushings for breaks and dirt deposits.	
5	Perform a Dissolved Gas Analysis on the oil sample.	
6	Check the inspection covers & gasketed joints.	
7	Inspect and clean the relay & alarm contacts.	
8	Check protection circuit.	
9	Check for free movement of the OTI and WTI pointers, as well as thermometers.	
10	Check the operation of the Pressure Relief Valve.	
11	Check the operation of the Pressure Relief Vent.	
12	Inspect the oil conservator tank.	
13	Observe the painting.	

Measure Insulation Resistance (IR)

S. No	Description	IR (MΩ) (1) min	IR (MΩ) (10) min	Polarization Index (PI)
1	HV - EARTH			
2	LV - EARTH			
3	HV - LV			

Measure Earth Resistance

S. No	Description	ER (Ω)
1	NEUTRAL EARTH – GROUND	
2	BODY EARTH – GROUND	

Dielectric Strength

S. No	Description	1st	2nd	3rd	Average (BDV) in KV	Remarks
1	Transformer Main Tank					

Remarks

	Electrical Technician	Supervisor	Engineer
Name			
Signature			
Date			