

Oil Filled Transformer Testing Checklist	
ForumElectrical.Com	
Transformer Number:	
Location:	Date:

Name Plate Details

Capacity	
Make	
Serial No	
Commissioning Year	
Manufacturer Year	
HV Voltage	
LV Voltage	
HV current	
LV current	
Vector group	
impedance	
Type of cooling	

S.No	Activity	Action
1	A thorough Visual Inspection.	
2	Check the level of the Oil.	
3	Check the colour of the Breather as well as the amount of oil that is contained in its cup.	
4	Cracks and dirt deposits should be checked for on the bushings.	
5	Conduct a Dissolved Gas Analysis (DGA) on the representative oil sample.	
6	Examine the inspection covers and joints that are gasketed.	
7	Ensure that the Relay & Alarm Contacts are clean and checked.	
8	Perform a check on the protection circuit.	
9	Check at the thermometers and the free movement of the OTI and WTI pointers.	
10	Perform a check on the operational condition of the Pressure Relief Valve.	

11	Perform a check on the operational condition of the Pressure Relief Vent.	
12	Oil conservator tank should be inspected.	
13	Take a look at the painting.	

Remarks:

Insulation Resistance Test

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

Earth Resistance Test

S.No	Description	ER (Ω)
1	Neutral Earth – Ground	
2	Body Earth – Ground	

Dielectric Strength Test

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

Remarks:

	Technician	Supervisor	Engineer
Name			
Signature			
Date			