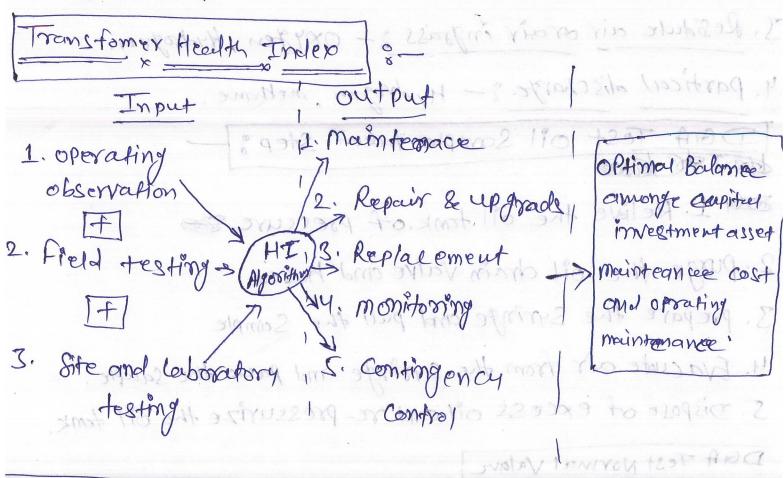
Transformer are key earlipment in power frid. The Stability of the power System is depending more and more on the safety and reliability of transformers. Health Index is a practical tool that combines complex condition duty into a single value as a comparative indication of the overall condition of a transformer.



DGIA Test: - The analysis requires abouting an oil sample from the unit extracting the gause from the sample, and Analyzing the sample and Analyzing the

fasse from the Sample, and Analyzing the gasses throught fus chromotolography. The result of the chromotography tell the last about different problems that may be arising inside the transformer.

The DGA has long been the most relibable and accurate method for determinist the internal most relibable and accurate method

Comman fransformer problems and the gasses they produce:= 1. overheating of the oil > Hydrofen, methan, ethane, ethyler acetylene. 2. overheating of the insulathing papers - Curbon mono xide,

Carbon dio xide J. Residule air orair ingrass 3-0xy Jen, Hydrogen. 4. particul discharge? - Hydrogen, methane. DGIA TEST O'll Somple faken Step? 1. Relieve the oil tank of pressure 2. Purge the oil drain valve and hose 3. prepare the syringe and pull the sample 4. Evacute air from the syringe and pack the sauple. 5. Dispose of excess oil and re-pressurize the oil tank. DGA Test Normal Valare Ayorogen (H2) methore (CHy) Somple, and Analyzing Carbon nonooxdie Clos Acety/ene

(C2H4) Fthomp

(C2H5)

Ethylene

DEAD your load peen gramost seliging