Decontamination of PCB Contaminated Electrical Equipment Using INT Process for Simultaneous Dechlorination, Desulphurization and Regeneration of Mineral Insulating Oils

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**PCB’s in Electrical Equipment**

- Stockholm Convention
- PCB limited to 50 mg/kg in electrical equipment in service
- New equipment and oils PCB free

**Sources of PCB Contamination**

- Oil treatments (oil tanks, machines for oil treatment)
- Oil change and topping up (oil tanks, machines for oil treatment)
- Repair of transformers (TR workshops and factories, oil tanks)

**PCB Decontamination Unit**

- Capacity: 1500 - 2000 kg/day

**INT patented technology** (RS 53510) for Simultaneous Oil Dechlorination, Desulphurization and Regeneration of Mineral Insulating Oils

- Removal of PCB, Corrosive Sulphur and Oil ageing products
- Improved Oil properties after treatment

**Process flow**

**CONCLUSION**

- INT process is efficient in the removal of PCB, corrosive sulphur and ageing products from mineral insulating oils
- After treatment Oils and transformers have “extended life” and improved properties for further use
- INT process can be used for treatment of mineral oils and equipment after “end of life” (waste treatment)