



Petro50X HVDC/HVAC General Insulating Oil

【Introduction】

With naphthenic crude oil as feedstock, Petro50X HVDC/HVAC general insulating oil is manufacturing by adopting base oil produced with special technology and adding high quality anti-oxidation package additive. It has characteristics such as fast heat transfer, good oxidation stability, outstanding behavior of electrical and good anti-gassing property etc. The oil has stable and reliable performance, and is produced in strict quality control procedure with sustainable resource. Petro50X HVDC/HVAC general insulating oil has passed the laboratory evaluation of ABB.

【Specification】

Petro50X HVDC/HVAC general insulating oil meets the requirements of GB2536-90, IEC60296(2003) classification I, and ASTM D3487 (93) type II, and it also meets ABB's HU-A specifications of insulating oil and IZBA117001-1 specification of feedstock.

【Application】

Petro50X HVDC/HVAC general insulating oil applies to high voltage DC transformer (HVDC) and 500KV ultra-high voltage AC transformer (HVAC), which are produced by adopting technology of ABB.

【Performance】

With excellent electrical insulation performance, high breakdown voltage and small dielectric loss factor, it can effectively prevent discharge phenomenon and power loss in high-voltage electric field; with excellent thermal stability and oxidation stability, it can prevent acid and oil sludge from being formed during service and prolong the service life of electrical equipment; with extremely low viscosity, it can provide efficient cooling, heat transferring, starting performance in low temperature and filtration performance; outstanding low temperature property, free of pour-point depressant and its pour point can be lowered to -50℃; appropriate content of naphthenic hydrocarbon and aromatic hydrocarbon ensures the dissolution of the oil sludge generated during the equipment's running, avoiding destroying insulating material and affecting heat transfer; environment friendly, free of any polychlorinated biphenyls.

【Storage and Handling】

Insulating oil is likely to be contaminated by moisture, different kinds of solid particle and fibre etc. Therefore, keeping the transformer dry and clean is of great significance. Reservoir vessel must be used exclusively, and contact with lubricating oil such as engine oil, hydraulic oil and gear oil etc. is strictly prohibited. Try to keep it indoors or in controllable climatic environment.