



## Petro50GX HVDC/HVAC General Insulating Oil

### 【Introduction】

With naphthenic crude oil as feedstock, Petro50GX 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. Petro50GX HVDC/HVAC general insulating oil has passed the laboratory evaluation of SIEMENS.

### 【Specification】

Petro50GX HVDC/HVAC general insulating oil meets the requirements of GB2536-90, SH0040-91, IEC60296(2003) classification I, BS148 (98) IIA and ASTM D3487 (93) II, and it also meets SIEMENS' GG-I specifications of insulating oil.

### 【Application】

Petro50GX HVDC/HVAC general insulating oil applies to high voltage DC transformer (HVDC) and 500KV Extra-High Voltage AC transformer (HVAC) that are produced by adopting technology of SIEMENS.

### 【Performance】

With outstanding 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 and starting performance in low temperature; outstanding low temperature property, free of pour-point depressant and its pour point can be lowered to -45℃; excellent anti-gassing property, which prevents air gap discharge phenomenon in high-voltage electric field; appropriate content of naphthenic hydrocarbon and aromatic hydrocarbon ensures the dissolution of the oil sludge generated during the equipment is 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 fiber etc. Therefore, keeping the transformer dry and clean is of great significance. Reservoir vessel must be exclusive, 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.