Shell Diala Oil DX

High performance inhibited insulating oil

Shell Diala Oil DX is a top of the range inhibited mineral insulating oil offering very high oxidation stability, good dielectric strength and excellent low temperature performance.

Combining specially refined naphthenic feed stocks with a proven anti-oxidant inhibitor Shell Diala Oil offers extended product life

Applications

- Electrical insulating oil for transformers and switchgear
- Oil-cooled rectifiers
- Refilling electrical equipment when the original oil filling is no longer fit for further use

Performance Features

- ***Very high oxidation stability***
  Oxidation inhibitor provides increased resistance to oil degradation and significantly extends oil life
- ***Good dielectric and heat transfer properties***
  Exceeds specification requirements
- ***Excellent low temperature and heat transfer characteristics***
  Superior oil flow and heat transfer properties at all working temperatures
- ***Outstanding reliability during prolonged service***
  Proven over many years of use

Shell Diala Oil DX does not contain PCB's

Performance Specifications

Shell Diala Oil DX exceeds the requirements of the following specifications:

VDE 0370 Class A

IEC 296 Class IIA

Health & Safety

Shell Diala Oil DX is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Shell Product Safety Data Sheet.

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

Storage Precautions

The critical electrical properties of Shell Diala Oil DX is easily compromised by minute concentrations of contaminants. Typically encountered contaminants include moisture, particulates, fibres and surfactants. Therefore, it is imperative that electrical insulating oils be kept clean and dry.

It is strongly recommended that storage containers be dedicated for electrical service and include air-tight seals. It is further recommended that electrical insulating oils be stored indoors in climate-controlled environments.

Typical Physical Characteristics

Shell Diala Oil	**DX**
Kinematic Viscosity @ -30°C cSt 20°C cSt	 750 17
Density @ 15°C kg/l	0.877
Flash Point °C (PMCC)	136
Pour Point °C	<-60
Dielectric Strength kV	>60
Dielectric Dissipation factor at 90°C	0.001

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur