

# Shell Diala Oil BG

## Gas absorbing transformer oil



Shell Diala Oil BG is a light mineral oil specially refined for electrical applications.

### Applications

Shell Diala Oil BG is primarily intended for use in transformers as:

- a coolant, to dissipate the heat generated when the transformer is on load
- a dielectric, to insulate the windings by replacing air, or other gases, between the conductors and in any voids present in solid insulating materials
- an arc extinguishing agent, to quench the spark between the opening contacts when tap changing on load
- an insulator and arc extinguishing agent in switchgear and circuit breakers
- an insulator in bushings
- an insulator in automotive ignition coils

### Performance Features

- **Effective and efficient heat transfer**  
Low viscosity fluid circulates easily in systems providing effective cooling and heat transfer properties
- **Highly resistant to oxidative degradation**  
Resists the formation of harmful acids and sludge. Long oil service life.
- **Outstanding low temperature properties**  
Without the need for pour point depressants

Shell Diala Oil BG does not contain PCB's

### Performance Specifications

Shell Diala Oil BG complies with the requirements of the following specifications:

BS 148 (1984)                      Type 1  
IEC 296 (1982)                    Class 1

### Health & Safety

Shell Diala Oil BG 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.

### Storage Precautions

The critical electrical properties of Shell Diala Oil BG 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	BG
<b>Kinematic Viscosity</b> @ 40°C cSt -15°C cSt	14.0 680
<b>Density @ 15°C kg/l</b>	0.890
<b>Flash Point °C (PMCC)</b>	146
<b>Pour Point °C</b>	<-50

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