SHELL DIALA S5 BD TRANSFORMER OIL

Delivering exceptional cold temperature performance

As global electricity demand increases, energy transmission and distribution in arctic environments continues to grow. Operating transformers in very cold conditions comes with a set of unique challenges. Shell Diala S5 BD transformer oil is designed to provide excellent cold temperature performance, so your equipment can thrive in artic conditions.

COLD STARTS

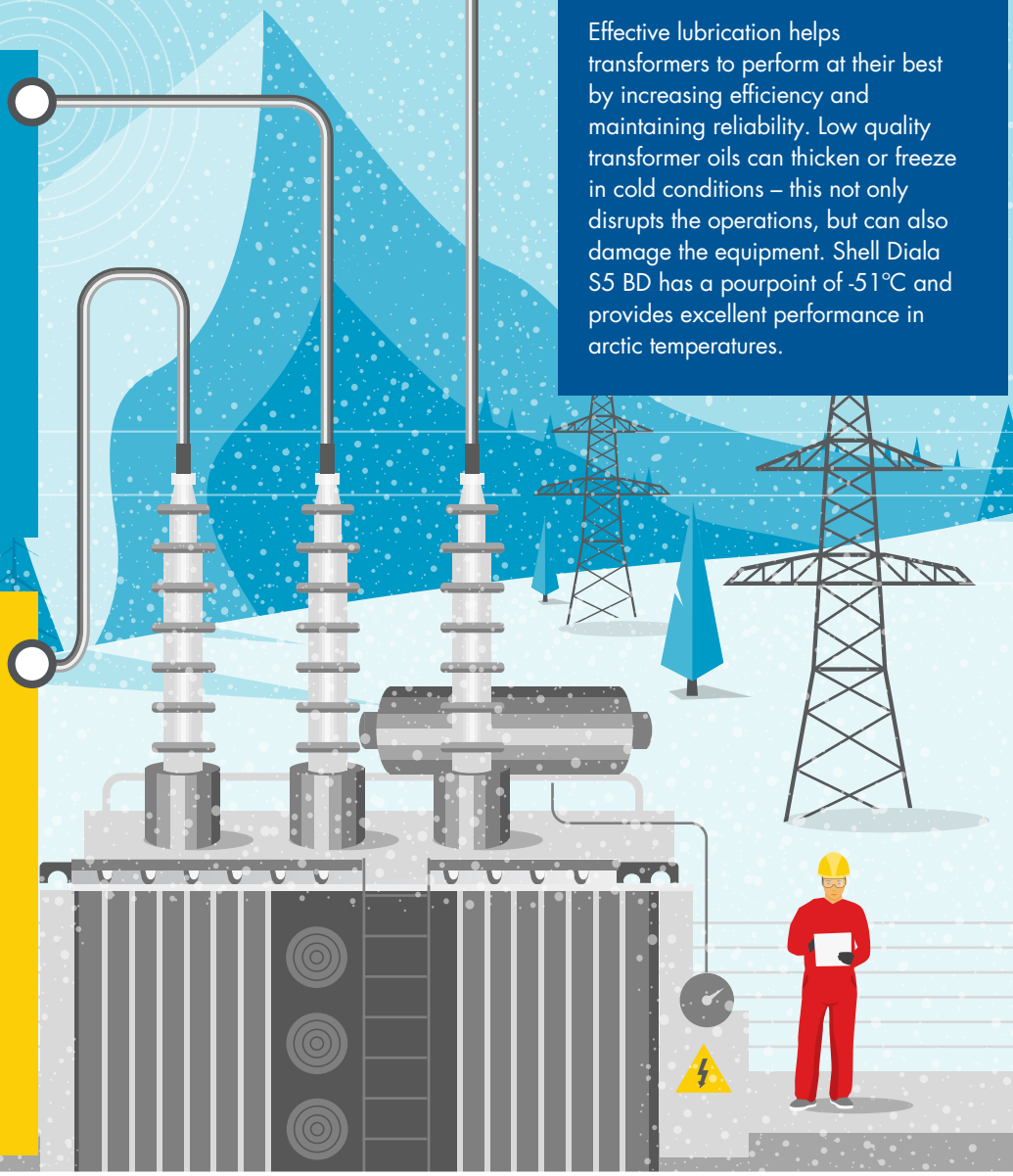
Start-ups in sub-zero temperatures can be very difficult. In order to prevent freezing, operators are often reluctant to switch equipment off, which causes energy expenditures to increase. Shell Diala S5 BD transformer oil has a viscosity lower than 1,000 mm^2/s at -40°C and excellent Lowest Cold Start Energising Temperature (LCST), which ensures lubrication needs are met even at very low temperatures.

HEAT TRANSFER PERFORMANCE

In order to manage internal heat generation, it is critical for the transformer oil to circulate throughout the machinery and cool hot spots which could damage the internal components. Transformer oil that is too thick may not circulate effectively and could put your equipment at risk. Shell Diala S5 BD has excellent flow properties, even at very low temperatures, helping to prevent overheating and equipment breakdown.

FREEZING TRANSFORMER OIL

Effective lubrication helps transformers to perform at their best by increasing efficiency and maintaining reliability. Low quality transformer oils can thicken or freeze in cold conditions – this not only disrupts the operations, but can also damage the equipment. Shell Diala S5 BD has a pourpoint of -51°C and provides excellent performance in arctic temperatures.



TRANSFORMERS OPERATE IN INTENSE CONDITIONS. SHELL DIALA S5 BD PROVIDES:

- Excellent cooling and heat transfer
- Low pourpoint: - 51°C
- Good flow properties
- GTL technology advantages

SHELL LUBRICANT SOLUTIONS

***Shell Diala S5 BD** meets the specification of 60296 Ed4 (2012) and IEC 60296 Ed5 (2020) specification type A:Table 2 Transformer Oil (I) (Inhibited) and meets performance requirements as outlined in Canadian specification CAN/CSA-C50-14 Table 1 Class A Type II (Inhibited).

Shell Diala