Mineral oil in soil and water according to DIN EN ISO 9377-2

Fast analysis of diesel contamination according to DIN EN ISO 9377-2

Application Note

Environmental

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Introduction
The analysis of mineral oil can be done highly efficiently using GC and the Agilent Select Mineral Oil column. This column was optimized for mineral oil analysis to generate the shortest analysis time. The method used is DIN-EN ISO 9377-2 which replaces the DIN H53. The Select Mineral Oil stationary phase was tuned for separation and stabilized for high temperature operation. Upper temperature limit of this column is 400 °C.
**Conditions**

**Technique**: GC

**Column**: Agilent Select Mineral Oil, 0.32 mm x 15 m fused silica (optimized film thickness) (Part no. CP7491) 6 m x 0.53 mm, methyl deactivated

**Temperature**: 55 °C, 1.9 min → 320 °C, 80 °C/min

**Carrier Gas**: Nitrogen, 80 kPa

**Injector**: On-column

**Detector**: FID

**Sample Size**: 2 μL

**Sample Size**: Diesel, 1.1 mg/L and 0.11 mg/L in petroleum ether

**Courtesy**: Thomas Karle, Chemisches Labor; Dr. Vogt, Karlsruhe, Germany