

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

## Fast analysis of gasoline contamination

### Application Note

Environmental

#### Authors

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#### Introduction

The analysis of mineral oil can be done with high efficiency using GC and the Agilent Select for 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 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.

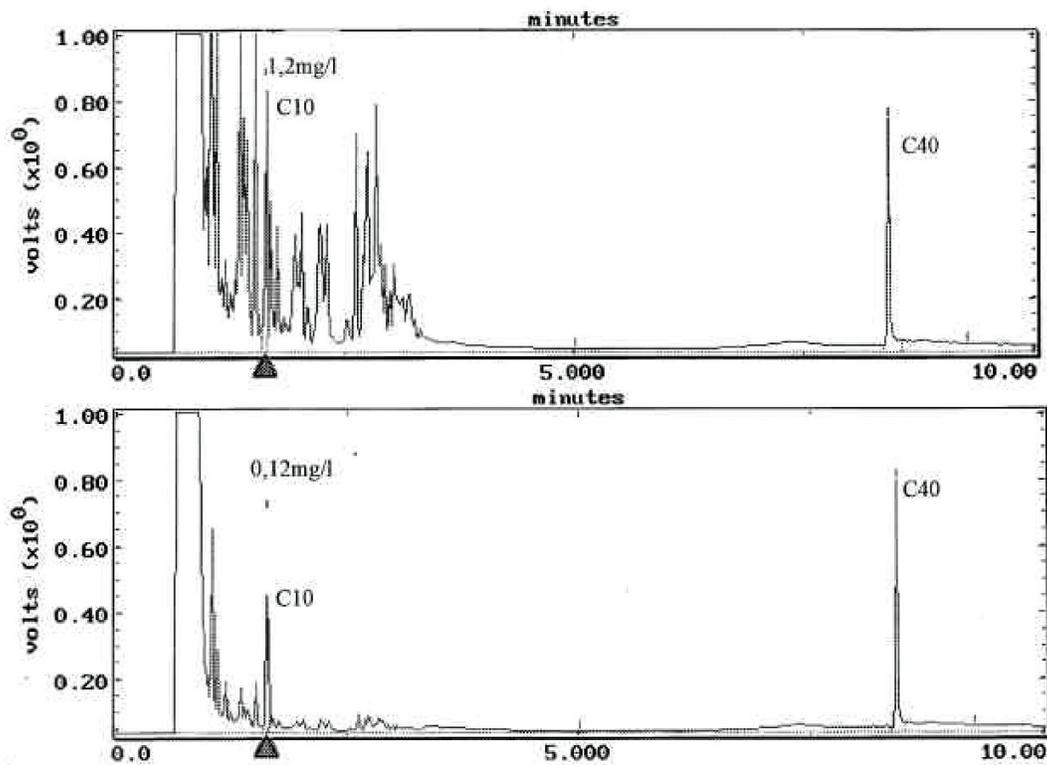


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## Conditions

Technique : GC  
Column : Agilent Select Mineral Oil, 0.32 mm x 15 m fused silica (optimized film thickness) (Part no. CP7491)  
0.53 mm x 6 m, 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  
Concentration Range : unleaded gasoline, 1.2 mg/L and 0.12 mg/L in petroleum ether

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



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