

## **Application Note**

Date: 1992.6.23

No. 220043H-E

## Determination of oleic acid in diesel fuel

Oleic acid in diesel oil was analyzed quantitatively by HPLC, utilizing pre-column derivatization method. 10 ul of pre-treated sample solution was injected. The result indicates that the diesel oil contained 0.205 g of oleic acid per liter. The preparation procedure of the sample and the chromatogram were shown below.

## **Conditions:**

 Pump:
 PU-980

 Detector:
 UV-970

 Wavelength:
 260 nm

 Sensitivity:
 0.64 AUFS

 Column:
 Finepak SIL C18S

 Eluent:
 CH<sub>3</sub>CN/H<sub>2</sub>O (90/10)

Sample: Light oil



