



News Release NL 443 June 2022

**Petrochem & oil Special
Sulfur- Chlorine-Trace elements**

Spectrolab offer a number of innovative technologies that support the Petrochemical industry providing state of the art spectroscopic instruments and systems that resolve many of the analytical issues faced by the industry. These technologies include EDXRF and MWDXRF for fast and direct measure of all trace elements present including the popular ones Sulfur and Chlorine and ICPS for direct analysis of trace elements at the ppb level.

MWDXRF analysers have changed the way the oil industry controls Sulfur and Chlorine content allowing analysis to be made on any oil sample with a limit of detection of just 0.2ppm in a time frame of 2 minutes. All other elements present can be measured at similar sensitivities including wear products. These instruments are small easy to use and employ a simple 80 watt Xray source. The mirror diffracting optics being the key technology that determines their remarkable speed and sensitivity. There is no sample preparation or calibration required, just insert the sample and press a button. Its that easy.

Petro-star 

MWDXRF Sulfur or Chlorine in oil analyzer

Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometer
LOD <0.3ppm

MWDXRF Power 80 Watts LOD 0.3ppm Cost £ 30,000

Trace element analysis at its best

No sample preparation required

No calibration required

Just insert a sample and press a button “It’s that easy



Applications

Petroleum products
Environmental
Aircraft Fuel

Marine Oil
Gasoline
Kerosene

Waste liquids
Diesel
Refineries

Distribution
Bio Oil
Paraffin

Mirror Wavelength Dispersive Focussing X-ray Fluorescence MWDXRF
Fifty times faster than conventional wavelength dispersive XRF

And a **quarter** of the cost

And **four** times more sensitive

These instruments are very reliable.

With **no** servicing needs and they install themselves “**Plug and play**”

And at 5 cents per analysis, you will save a fortune on running costs

MWDXRF has arrived

Time to change to Mirror focussing XRF - MWDXRF

ONLY FROM SPECTROLAB

The only game in town

Contact us at sales@spectrolab.eu

www.spectrolab.co.uk