



TRACE METAL TESTING AND ANALYSIS

MEASUREMENT AND DETERMINATION OF TRACE METALS IN CRUDE OIL, FUELS AND OTHER HYDROCARBONS



Trace metal content poses a constant challenge in the production, refining, and distribution of quality crude oil and petroleum refined products. Understanding, monitoring and managing trace metal levels for refineries, pipelines, storage tanks and traders can have a direct impact on refinery yields, catalyst preservation and infrastructure protection. Trace metals can also cause corrosion problems, safety risks and profitability impacts. SGS helps manage trace metal issues with laboratory analysis of crude oils, refined petroleum products and related hydrocarbons in the USA and globally.

SGS TRACE METALS ANALYSIS EXPERTISE:

- Rapid trace metal analysis for crude oils, fuels, intermediates, chemicals, feedstocks, condensates, natural gas liquids (NGL) and additional refined petroleum products
- Laboratories staffed by experienced chemists equipped with state-of-the-art instrumentation
- Mercury trace level analysis includes cold vapor atomic fluorescence spectroscopy (CVAFS) for natural gas, LPG, condensates, distillates, and crude oil. Mercury detection levels can reach ppb levels or lower
- A wide range of trace metal detection, including trace to ultra-trace sensitivity, including parts-per-million (ppm), parts-per-billion (ppb), and parts-per-trillion (ppt) levels
- Trace metal analytical techniques, such as ICP, ICP-MS, AA and other testing options

SGS PROVIDES ANALYSIS AND TESTING FOR A WIDE RANGE OF TRACE METALS IN HYDROCARBONS, INCLUDING:

- Antimony, Arsenic
- Beryllium
- Cadmium, Chromium, Cobalt, Copper
- Iron

- Lead
- Manganese, Mercury, Molybdenum
- Nickel
- Selenium
- Vanadium
- Additional trace metals, molecular species and compounds

FAST, ACCURATE RESULTS FROM A LEADING PROVIDER IN TRACE METAL TESTING

As the world's leading testing, inspection, certification and verification company, we offer you unparalleled experience in specialized testing and analysis for the oil and gas industry. With our international reach and network of state-of-the-art laboratories, we ensure that you get the most accurate and reliable results, wherever and whenever you need them.

SGS USA laboratories also provide testing for other trace elements and elemental compounds, including sulfur.

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SGS IS THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY

WHEN YOU NEED TO BE SURE

