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811 Russell Ave,
Gaithersburg Maryland 20879
Tel: 301-990-4050
Fax: 301-990-7525
info@ltindustries.com
www.ltindustries.com

New Analyzer Measures Oil Sands Composition in Seconds

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LT Industries new **Parafuel™ Oil Sands Analyzer** is configured to measure Bitumen, Solids and Water contents in Oil Sands. This new development brings the fast and accurate Near Infrared (NIR) analysis to unconventional oil sources, providing a significant increase productivity for exploration and production efforts. Laboratory methods, such as Dean Stark, by contrast can take a full day.

The Parafuel™ Analyzer series is a set of versatile, non-destructive spectroscopic analysis tools specially designed for measurements in the Oil Industry. The Oil Sands model expands the analysis capabilities to provide fast analysis of composition of Oil Sands. In the benchtop system, samples are loaded into a cup, placed in the analysis bay and scanned. The analysis is automated, and the device is operated simply by pressing a single button on the user interface. Results are logged and displayed on the software module, which is compatible with all Windows platforms. The device may be used in laboratory, plant or field settings, with a design focus on withstanding harsh environments.



Knowledge of oil sands composition is critical in the evaluation of the profitability of oil sands plays and process optimization in upgrading. High bitumen concentrations in oil sands are more profitable and the Parafuel provides a way to quickly measure samples from multiple plays in minutes. Knowing the water and solids content can optimize processing as well. Online configurations are available for this need.

More information can be found at: <http://www.ltindustries.com/appsoilsands>.

For over 30 years, LT Industries has been a manufacturer of process and laboratory analyzers for the oil and fuels, pharmaceutical, food and beverage, and chemical industries. The company's analyzers, probes, software and enclosures are part of a complete analysis solution that is tailored to customers' specific process needs.