

SYSTÈME COAT SYSTEM

CONTINUOUS OIL ANALYSIS AND TREATMENT SYSTEM OIL/WATER EMULSIONS • MINERAL OILS • SYNTHETIC OILS • EDIBLE OILS

Thermal-Lube's **COAT System** is an analytical tool used for quality control, condition monitoring, and lubricant life extension that has revolutionised the way lubricating oils are monitored and maintained.

The **COAT System** uses advanced technology, namely Fourier Transform Infrared (FTIR) spectroscopy, integrated with a flow-through optical cell and product sampling system. All this is coupled with a PC computer running Thermal-Lube's proprietary **U.M.P.I.R.E** Integrated Software.

The **COAT System** operates by identifying the base oil, as well as any additives and/or contaminants, and keeping track of any changes in the composition of the fluid.

The **COAT System** can automatically replenish performance-enhancing additives in the oil when necessary, and if contamination were found in the fluid, the system can alert an operator to such a condition and offer the opportunity for various corrective procedures.



COAT MODEL C-2

The COAT System is offered in three convenient custom models:

- **Model C-1 Portable:** This rugged version allows you to carry out continuous automated lubricant monitoring of the machinery and processing equipment in your plant. This model can be manufactured to meet any NEMA specification.
- **Model C-2 Desktop:** This economic table-top version of the **COAT System** is used mainly for intermittent monitoring of fluid samples and production quality control.
- **Model C-3 Online:** The "on-line" **COAT System** is "hard-wired" into the equipment, and is capable of monitoring multiple "sample-stations" simultaneously. (Not shown)



COAT MODEL C-1

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