

A GAME CHANGER IN LABORATORY WORKFLOW

Particle Count and Elemental Analysis of In-Service Lubricants in One Run

Increase speed, improve accuracy, control operating costs – in-service oil and lubricant testing labs are faced with challenges like these every day. Our integrated solution is a game changer in laboratory workflow that considerably improves operating costs.

In the past, particle count and elemental analyses were conducted separately requiring more time for sample preparation, analysis, and reporting. More sample was required up front and more waste was made on the back end. Plus, particle count analysis alone could take up to 20 minutes per sample.

Now, our **LPC 500™ liquid particle counter** coupled with the reliable **Avio® 500 ICP-OES Oils system** enables the same diluted sample to be analyzed for both elements as well as particle count and size. This patent-pending technology allows you to perform both analyses in a single run, at an average of 45 seconds per sample, and with less than 1 mL of sample.

Learn more about how our hyphenated solution can benefit your lab.



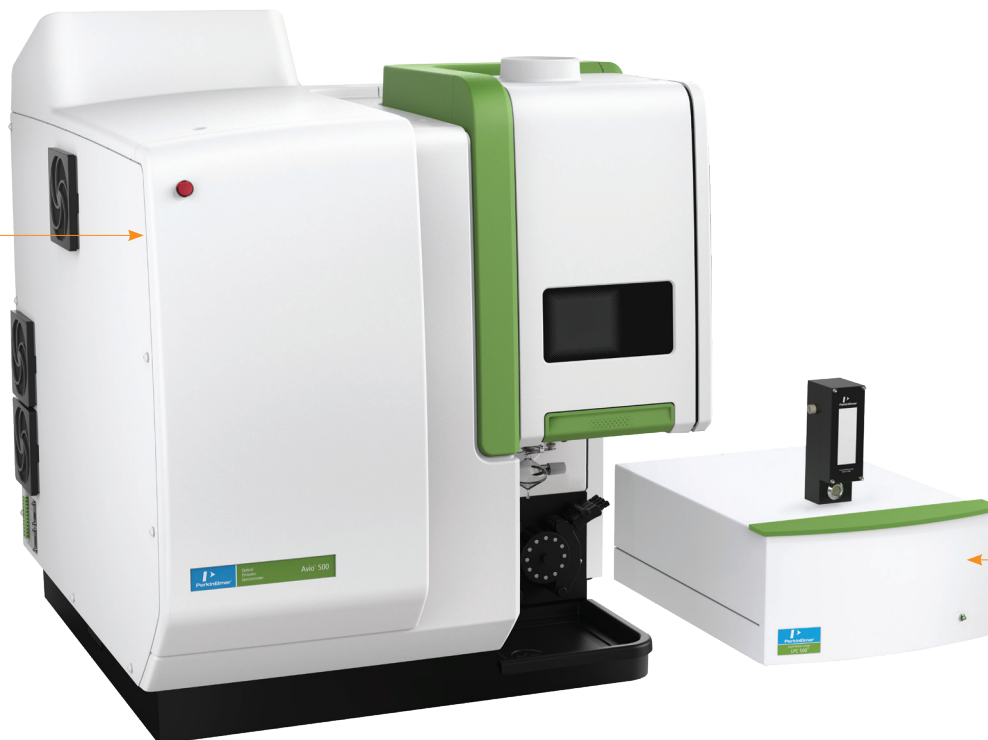
The Advantages of an End-to-End Solution

Avio 500 ICP-OES Oils System

- Vertical plasma torch ensures fast, stable operation, dependable results and low cost per analysis
- Patented Flat Plate™ plasma technology uses half the argon of load-coil systems with same robust plasma
- Simultaneously collects data on more than 73 elements (UV and visible wavelengths) in seconds for exceptional sample throughput

LPC 500 Liquid Particle Counter

- Particle counting and sizing rates in excess of 10,000 particles per second
- Smallest automated particle counter footprint in the industry
- Hyphenates seamlessly with ICP-OES for elemental analysis



Syngistix™ for ICP Software

- Workflow-based interface designed to improve efficiencies in the lab
- Particle counting can be enabled or disabled from method to method
- Various reporting formats and particle count sizes can be selected for added flexibility

Patent-Pending Hyphenated Solution

- Two analyses, one run – with single sample preparation
- Sample-to-sample analysis in under 45 seconds
- Uses less than 1 mL of lubricant sample per analysis
- Generates less waste for the laboratory

To learn more, visit our website at www.perkinelmer.com/lubricants

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