

# Oils 7400 and Oils 7400 Dual Homogenizing Autosamplers

The new Oils 7400 and Oils 7400 Dual Homogenizing Autosamplers have been designed to meet the rigorous demands of oils analysis in the rapidly evolving oils testing industry. This automation marries together sample mixing capability with speed and eliminates cross contamination with improved design drip capture.

The Oils 7400 Dual boasts a sliding dual segregated rinse station fed by two separate peristaltic pumps to change between oils and coolants testing on demand. Combined speed, mixing capability and improved sample drip capture, deliver robust analysis without compromise.



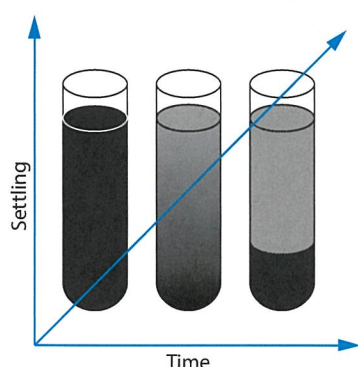
## Oils 7400

| Part Number   | Description                               |
|---------------|---|
| A74-99-1401HR | Oils 7400 Autosampler (no racks included) |
| A74-99-1403HR | Oils 7400 with 60 position racks          |
| A74-99-1402HR | Oils 7400 with 80 position racks          |
| A74-99-1404HR | Oils 7400 with 96 position racks          |

## Oils 7400 Dual

| Part Number   | Description                                    |
|---------------|--|
| A74-99-1411HR | Oils 7400 Dual Autosampler (no racks included) |
| A74-99-1413HR | Oils 7400 Dual with 60 position racks          |
| A74-99-1412HR | Oils 7400 Dual with 80 position racks          |
| A74-99-1413HR | Oils 7400 Dual with 96 position racks          |

## Sample Homogenization



Used oil samples that require analysis for wear metal elements typically contain particulate material that can settle in a sample tube prior to analysis; this can lead to generation of non-representative data. The Oils 7400 automation has been designed and developed to resolve this problem on a sample by sample basis in each analytical batch.

Prior to analytical measurement, each sample is automatically homogenized by the autosampler. A stirring paddle mounted next to the sample probe efficiently mixes each sample and, like the sample probe, is subjected to a rinse step at the rinse station. Sample mixing is configurable, via a software dashboard, to meet the challenge of more viscous oil samples.

## Technical Specifications

### Dimensions

|               |       |          |
|---------------|-------|----------|
| <b>Height</b> | 46 cm | (18")    |
| <b>Width</b>  | 57 cm | (22")    |
| <b>Depth</b>  | 54 cm | (21")    |
| <b>Weight</b> | 23 kg | (50 lbs) |

### Capacity

Up to 4 racks, up to 384 samples

### Rack Options

Gilson, Bel-Art, CETAC/Bohdan, JANUS

### Hardware Interfaces

RS-232 and USB

### Power Requirements

100-240 VAC, 47-63 Hz, 1.9 A

### Computer Requirements

Microsoft Windows® 7 operating system or newer  
1 Free COM or USB port  
Adobe® Acrobat® Reader is required to read manuals  
Internet Explorer must be installed

### Warranty

2 year limited