

# ONLINE OIL ANALYSIS

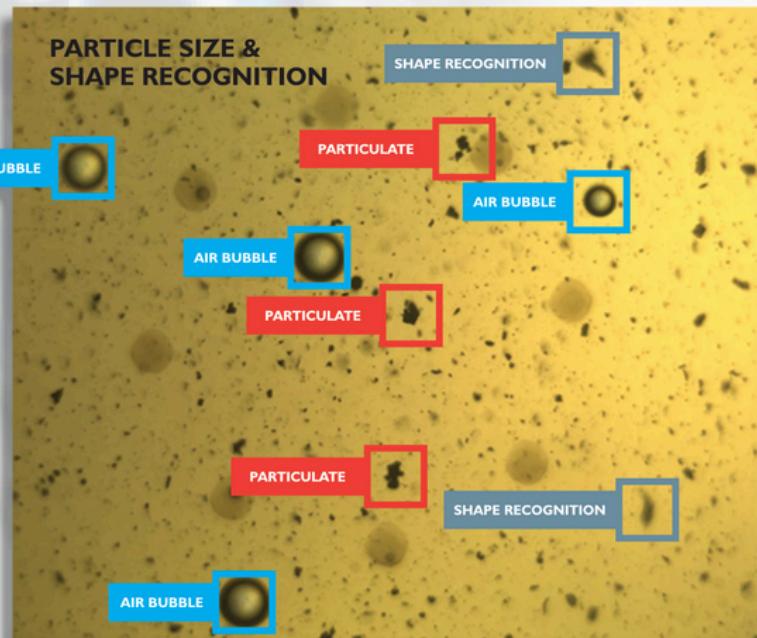
Our all new **S120 PARTICLE COUNTER** utilises breakthrough digital imaging technology which provides a greater insight into the size and type of particulate in any oil system. Air bubble elimination and shape recognition gives root cause particle analysis. Information is displayed on an interactive 4.3" LCD touchscreen displaying all information with a graph showing oil cleanliness over time.



## S120 PARTICLE COUNTER

### Harnessing the power of proven digital imaging technology

We've embedded the latest in particle counting technology into a compact wall mounted enclosure. Giving ISO 4406 counts as well as 4, 6, 14, 21, 38 & 70 micron sizing and bubble elimination. Digital imaging, combined with advanced algorithms, sorts particles into fatigue wear, cutting wear and sliding wear categories to give root cause analysis. This powerful technology can be combined with an additional sensor for measuring water content, giving unprecedented, on-the-spot insight into the condition of your oil.



The image above is 4mm x 3mm and shows particulate that the human eye can't see. Images of the oil are not displayed on the screen.



### Digital Imaging Particulate Counter

Capable of broad size determination from 4, 6, 14, 21, 38 & 70 micron counts. Air bubble and water droplet elimination. Shape determination to identify fatigue, sliding or cutting wear as well as fibre identification.



### Water Sensor

Water in oil is a contaminant that can contribute to microbial growth and encourage further contamination, from solids to rust. The inbuilt water sensor shows the relative humidity of any oil as a % saturation or ppm for analysing oils.



### Particulate analysis.

The Atten2 digital imaging particle counter gives advanced size and shape recognition for any sample. Counting particulate in virtually any oil up to 2,400 Cst, the Atten2 device also eliminates air bubbles, making it ideal for heavy lube and gear oil applications in cold temperatures. Reporting 4, 6, 14, 21, 38 & 70 micron counts as well as categorising any particle greater than 20 microns into:

- Fatigue Wear • Sliding Wear • Cutting Wear • Fibres



### Water content.

Displayed as % saturation (relative humidity). Helps inform whether an oil change is actually required.

## S120 PARTICLE COUNTER Advanced Oil Analysis - TECHNICAL INFORMATION

Fluid Compatibility	Synthetic oils, organic oils, mineral oils & diesel fuel (2,400 cSt viscosity limit) Skydrol option available on request
Display Information	<b>Particulate:</b> ISO 4406, SAE AS4059 & NAS 1638, bubble elimination and particle wear analysis <b>Water sensing:</b> Water is displayed as relative humidity (RH) % saturation (optional extra)
Accuracy	<b>Particulate:</b> +/- 1 ISO code <b>Water sensing:</b> +/- 1% RH
Power Supply Ports	24 VDC
Max Pressure Flow	1/8" BSP
Rate Viscosity Limit	160 bar
IP Rating	0.1 - 1.0 l/min (flow control valve available on request)
Temperature Range	2,400 Cst
Dimensions	IP52
	5°C - 50°C
	160mm (w) x 166mm (h) x 145mm (d)