

CANTY

PROCESS TECHNOLOGY

PORTABLE FUEL / LUBE OIL PARTICLE & WATER ANALYZER



FEATURES

- **Measuring Principle as per ASTM D7596 & ASTM D8049**
- Data reporting to ISO4406 and D8072
- Detects and discerns solids, water and air in fuels and oils - no imaging instruments cannot discern
- Visual Verification
- Ethernet Connectivity
- Intuitive Software Interface
- Measurement to 0.7 μ m
- Portable design for field testing
- High intensity lighting for maximum magnification

APPLICATIONS

- Lubrication Oil Analysis
- Jet Fuel Analysis
- Diesel Fuel Analysis
- Turbine Oil Analysis
- Bunker Fuel Analysis

THE CANTY ADVANTAGE

The presence of solid particles and water in lubricating oils, hydraulic oils, and fuel can be problematic as they increase wear of moving parts, clog system filters and promote corrosion throughout the system. Detecting solids and water in these oils and fuel is crucial in managing the operation of equipment and enhancing its effective life cycle. Knowledge of particle shape, in addition to particle count per mL, enables the user in many cases to assess the type of particulate present and its cause which can assist in pinpointing future points of system failure and preventing them.

Combining the latest in high speed gigabit ethernet camera technology along with Cauty's high intensity lighting, portable design, and imaging software, the system provides real time particle analysis of solids, water and air bubbles in oils and fuels. The method involves flowing the lubricating or hydraulic oil between a microscopic camera and high intensity light source. Images are then analyzed under a number of different parameters to provide size, shape and concentration data. As per ASTM D7596, particles in oil are classified under sliding / cutting / fatigue wear, nonmetallic particles, fiber particles, water droplets & air bubbles to provide a comprehensive understanding of the condition of the fluid, and indicate where and how possible failures are likely to occur. The portable design allows for in testing in the field leading to the quickest and most reliable results possible.

BENEFITS

- Independent Reading Of Water & Solids
- Portable design for field testing
- Record Video For Later Analysis
- Optional Save Video & Images If Needed
- Visual Verification of reading
- Sub classification of solid particles based on shape analysis

SPECIFICATIONS

- Compression fittings, NPT, tri-clamp, and luer Lock Connections Available
- Particle Size Range = .7 - 480 micron
- 120 V AC / 60 Hz or 240 V AC / 50 Hz
- Variable Gap

CANTY

JM Cauty Inc
JM Cauty Intl Ltd

Buffalo, NY USA
Dublin, Ireland

Ph: (716) 625 4227
Ph: + 353 (01) 882 9621

Fax: (716) 625 4228
Fax: +353 (01) 882 9622

ORDERING INFORMATION

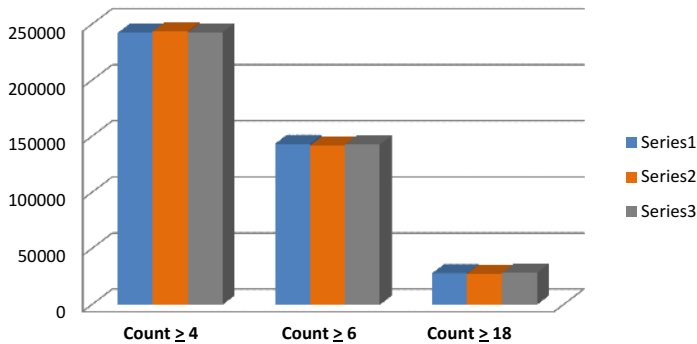
PART NUMBER (120 V AC)=

PLB - A G 1 K 6 1 B 1 2 A Z

PART NUMBER (240 V AC)=

PLB - A G 1 K 6 2 B 1 2 A Z

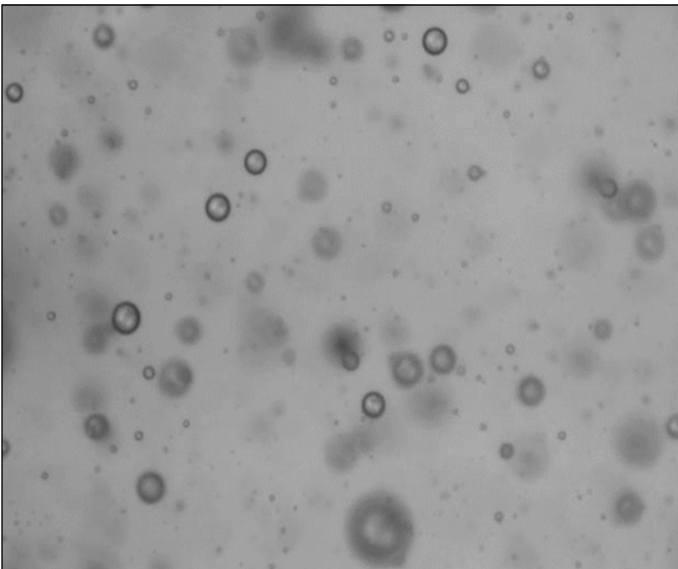
ISO 4406 - Count Chart



ISO > 4	ISO > 6	ISO > 14
25	24	22
25	24	22
25	24	22

Count & size data output

Data reporting to ISO 4406



Visual images to verify contamination



Compact Portable Case

CANTY

JM Canty Inc
JM Canty Intl Ltd

Buffalo, NY USA
Dublin, Ireland

Ph: (716) 625 4227
Ph: + 353 (01) 882 9621

Fax: (716) 625 4228
Fax: +353 (01) 882 9622

www.jmcanty.com

Document P/N: TA11500-1100_R1