MAGNETIC OIL MONITORS

REAL-TIME FEEDBACK ON OIL CONDITION

Esco Products, Inc has developed visual tools to assist operators in monitoring the ever-changing condition of the oil in their equipment. The Magnetic Oil Monitors kit contains three durable magnetic strips that adhere directly to equipment, and provide real-time feedback on oil temperature, color, and clarity. A pencil or dry-erase marker can be utilized to note the readings on a checklist or indicate the last measurement taken, allowing users to monitor changes over time.

**Temperature**

Excessive heat is extremely harmful to oil and equipment. Increased operating temperatures also deplete additives, decrease the viscosity causing loss of film strength, and increase the rate of corrosion, varnish and sludge formation. The TEMP strip includes an eleven-point temperature label which gives an accurate reading for temperatures from 100°F - 220°F.

**Color**

New oil typically starts as a light amber color, but gradually darkens over time due to thermal degradation, adding an incompatible lubricant, excessive heat, oxidation, the presence of water, and several other contaminants. The COLOR strip provides users a scale to measure and monitor these changes over time.

**Clarity**

As an oil degrades or becomes contaminated, it will turn cloudy and be difficult to see through. Water contamination is typically the main cause of cloudy oil. The ESCO CLARITY strip displays nine lines, each getting progressively darker and thicker. As the oil becomes cloud, less of these lines will be visible when looking through the oil in a sight glass.
HOW THESE TOOLS WORK

1. **ESCO Temp**
   The various temperature points on the TEMP strip are colored green, but turn black when the stated temperature is reached. Identifying temperature spikes allow operators to take corrective action and prevent potential equipment failures.

2. **ESCO Color**
   Simply match the color of the oil to the closest to the corresponding color on the COLOR scale. The color matching process is easier if using a sight glass, but users can also pull an oil sample and use that to indentify the oil’s color.

3. **ESCO Clarity**
   Use an Oil Sight Glass and hold the CLARITY strip behind the oil and record the first line which is clearly visible through the oil. Operators can also pull an oil sample and use that to measure the clarity.

Watch the Video

Call us!
800.966.5514

Go to escopro.com/momknowsbest to watch a quick video on how these tools work.

GET IN TOUCH
5325 Glenmont Drive, Suite D, Houston, TX 77081
www.esco-inc.com - info@esco-inc.com