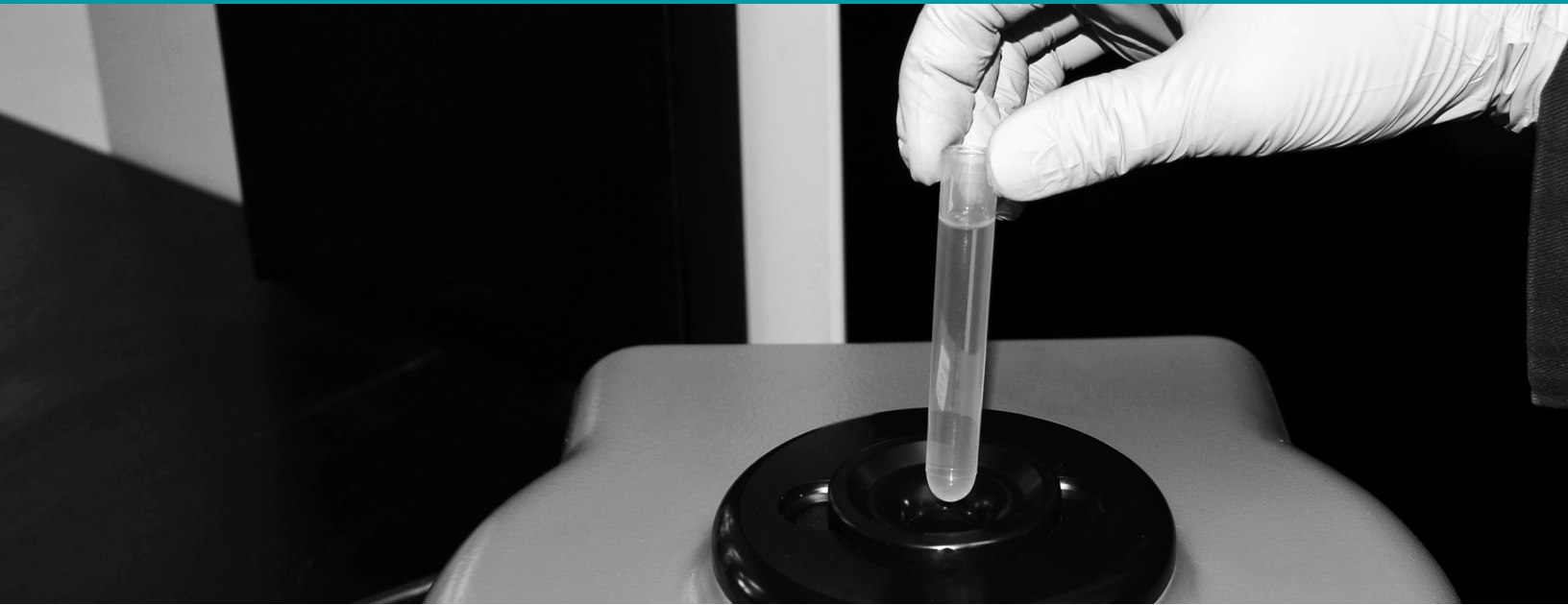


TOTAL MAGNETIC IRON (TMI)



Total Magnetic Iron (TMI) is a highly accurate test option designed to measure the degree of ferrous wear metal contamination in an oil sample. The TMI is not sensitive to particle size. When used along with traditional spectrometry several evaluations can be made. If both the TMI and spectrometric values increase, it is likely that many small particles are being generated. However, if TMI increases and there is no change or a decrease in the spectrometric ferrous values (i.e. iron, nickel), this suggests large particles are being generated which indicates an abnormal level of wear.

With routine sampling a TMI provides early detection of abnormal wear conditions and imminent equipment failure. It is an excellent screening tool that can be used as a trigger to the more advanced Analytical Ferrography or SEM. Total Magnetic Iron is an easy addition to any existing oil analysis program.

Benefits of Total Magnetic Iron

- An accurate triggering test for Analytical Ferrography or SEM.
- A valuable addition to your conventional sampling program.
- An excellent return on your oil analysis investment.

Applications

- Engines
- Gearboxes
- Final Drives
- Transmissions
- Industrial Gear Systems
- All other systems that have the potential to generate large ferrous particles.

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