

TECH TIPS

OIL TEST KITS

Determining Service Intervals, Detecting Issues.

Effective oil analysis is the best method to accurately determine maximum oil and filtration service intervals. Oil analysis can detect potential problems before catastrophic damage occurs. Baldwin Filters offers oil test kits and laboratory analysis in its line:

- OTK5060 - Oil Test Kit - Sample bottle with probalyzer, mailing label (use with OTK5061 or OTK5062)
- OTK5061 - Stainless Steel probalyzer plug for marine applications
- OTK5062 - Brass probalyzer plug for non-marine applications
- OTK5063 - Oil Test Kit - Sample bottle, package for mailing to laboratory

Oil analysis includes several tests performed on each oil sample submitted to the laboratory. The results of these analyses, when compared to original and earlier tests, reveal lubricant condition, contamination levels and wear rates of oil-lubricated components. An understanding of these test results helps get the most life out of the oil.

From the oil analysis, lab technicians and/or end users can detect:

- Changes in lubricant viscosity
- Effectiveness of acid-neutralizing additive
- High fuel dilution
- Presence of water and/or coolant (ethylene glycol)
- Contaminant level
- Metallic content

Continued use of test data and lab recommendations helps to provide users with an in-depth understanding of the test results. The user can combine lab results with maintenance history to derive a clear view of the engine's condition.

Oil analysis combined with used filter analysis can help to determine the useful service life of the filter. Lab technicians can analyze the used filter, matched with the corresponding oil analysis, to determine if the filter has reached its maximum contaminant holding capacity or if there remains additional service life.

