



Corporate News



TO: ALS Tribology Customers
DATE: June 2009
SUBJECT: Expanded Fuel Testing Services

The ALS Laboratory Group's Tribology Division expands its fuel testing services with the addition of a new sulfur analyzer at their Portland, Oregon, laboratory. The recently purchased instrument utilizes monochromatic wavelength dispersive XRF technology to accurately and precisely determine the sulfur content in a variety of fuels, such as No. 2 S15 diesel fuel, S15 biodiesel, and S15 biodiesel blends where the sulfur limit is below 15 ppm.

Use of ultra low sulfur diesel fuel for on-road applications is legally required by federal emissions standards. Off-road applications, such as marine, locomotive, and farming, are currently still allowed to use S500 diesel fuel. However, in 2010, the phasing in of the ULSD requirement for off-road applications begins. By the end of 2012, nearly all diesel fuel will be required to be S15.

Not only is the S15 requirement mandated, but it also provides operational benefits. The lower sulfur content in S15 diesel fuel oils produce less sulfuric acid when combusted, which lowers the amount of acidic attack on the oil. Therefore, use of S15 can reduce the base number depletion rate of engine oil, which makes S15 diesel fuel a necessity when using CJ-4 formulations. The improved base number retention can potentially lead to extended drain intervals, resulting in lower consumable and maintenance costs.

Sincerely,
The Office of Corporate Communication



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