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High Temperature Corrosion Bench Test is Back!

Standard Test Method for Evaluation of Corrosiveness of Diesel Engine Oil at 135°C, also known as ASTM D6594 or High Temperature Corrosion Bench Test (HTCBT) is once again being offered to Savant Labs' customers. ASTM D6594 is intended to simulate corrosion of non-ferrous metals like lead and copper commonly used in cam followers and bearings in diesel engines. HTCBT is one of the bench tests required for the API CJ-4 service category. This test method has been found to correlate with an extensive fleet database containing corrosion induced cam and bearing failures. The ASTM TMC requires that laboratories run a TMC reference oil with every set of samples. In the past, Savant Labs was not satisfied with the consistency of the TMC reference oils' results, so the test was pulled from commercial offering. The Technical Development team at Savant Labs investigated several potential sources of variation and in the process made several improvements. Now the D6594 test apparatus has been rebuilt and procedures revised improving consistency, cost and operability. Savant Labs can now consistently pass the required ranges for the ASTM TMC D6594 reference oils and will once again make this test commercially available to our customers. If you are seeking a lab to run HTCBT, ASTM D6594, or any of the API CJ-4 specification bench tests, please [contact Savant Labs](#).

Upcoming Events:

Noria Reliable Plant 2015
Cleveland Convention
Center
April 21-23, 2015
Cleveland, OH

STLE 70th Annual Meeting
Omni Hotel
May 17-21, 2015
Dallas, TX

Savant Labs Upgrades Air Release Testing Capability

Savant Labs has recently upgraded its capability to run ASTM D3427 Air Release Properties of Oils. The D3427 method is an important test for determining the ability of a turbine, gear, or hydraulic oil to separate entrained air. Agitation of lubricating oil with air can produce a dispersion of finely divided air bubbles in the oil. If a mixture of air and oil circulates through a lubricating system the result could be poor hydraulic system performance or potentially a mechanical failure. System designers use D3427 results to ensure that reservoirs are adequately sized. Oil formulators use Air Release test results to ensure their formulations perform to industry and OEM specifications for a given application. Savant Labs is equipped with an upgraded Air Release unit and automation system to reduce total turnaround time and ensure precise results. [Contact us to schedule D3427 Testing](#).



**Savant Labs in the early
morning:
Ready for Action!**



Marta Manning

Savant Labs Team Member Spotlight:

Marta Manning joined the Savant Labs Technical Development team in September 2014 after working for four years as a Research Scientist for the biofuel technology startup Expansyn Technologies Inc. Marta has served on grant advisory panels for the National Science Foundation. She holds two patents for methodology and devices in the analytical chemistry field. As a Technical Development Chemist at Savant Labs, Marta helps to solve complex and multidisciplinary problems with the goal of improving existing technologies and creation of novel applications. She is excited to be contributing to research efforts at the cutting edge of technology and working with an exceptionally skilled team of colleagues.



Dan Castanier

Dan Castanier joined Savant Labs in March 2014 as a Customer Support Technician. This role provides the opportunity to touch the many phases of the testing process from customer inquiry, sample check-in, and results reporting. Dan comes to Savant Labs after extensive experience at Mid-Michigan Medical Center where he managed customer services within several clinical areas such as Magnetic Resonance Imaging and Diagnostic X-Ray for 17 years. Dan enjoys working with our clients to ensure accurate data reporting and customer satisfaction.

[More Details](#)

