

Platform for Testing Lubricating Oils

Japanese Industrial Standard - JIS2514

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Testing Methods for the Oxidation Stability of Lubricating Oils

This Japanese Industrial Standard specifies the testing method for oxidation stability of lubricating oils for internal combustion engines and turbine oils.

Summary of test method

A catalyser and varnish stick is immersed in a test specimen. The oil specimen is oxidised by stirring it at a prescribed temperature for a prescribed time. The kinematic viscosity and total acid value of the oxidised oil is measured and the values obtained are compared with those of the an unoxidised oil. In addition, the conditions of the attachment of lacquer-like matter or sludge adhering onto a varnish stick is examined.

Specifications

- Reactors can be operated individually or concurrently
- Individual conditions
- Variable stirring speeds. Accurate to within 1%
- Temperature Range - Ambient to 200 C.
- Precise temperature control ± 1.0 C
- 3-wire PT100 probes in each vessel
- Windows for visualisation
- Torque measurement for viscosity interpretation
- On line sampling
- Full computer control with our easy to use In Touch Software

If you would like to speak to a technical representative please call us on 01954 252522, e-mail sales@crduk.com, or alternatively you can visit www.CambridgeReactorDesign.com for further Information.



