

## PERFORMANCE TESTS

### Cummins ISB

#### Status

The Cummins ISB test is one of three different valve train wear tests included in PC-10. Although the wear mechanism for all three tests is nominally different, both Industry Reference Oil data and Infineum data show that **the ISB** is the most restrictive of the three tests, and oils that pass the ISB easily pass both the ISM and the RFWT. These data were shared with the PC-10 Valve Train Wear Task Force in an attempt to remove one or more of the redundant tests from the category. However, none of the sponsoring OEMs would allow their test to be dropped, and PC-10 was finalized containing all three tests.

The pass/fail limits set for the ISB are so restrictive that they fail several of the Matrix test results in spite of the fact that all Matrix test results were rated as passes by Cummins' visual ratings from expert raters at Cummins.

The ISB has been brought into the ACC Code of Practice and tests are fully registerable.