

SUBCOMMITTEE D02.B0 BALLOT ITEM

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To: ASTM D02.B0 Members

From: Lyle Bowman, B0.9 Chairman

Subject: Revision of D 4485

WK#: WK 2846

Rationale: Test Method D 6594 (HTCBT) is one of the test methods incorporated in the CH-4 and CI-4 Engine Oil Categories in Specification D 4485. Currently, there is a HTCBT tin wear loss measurement passing limit in the two categories. Due to the inability to develop a meaningful precision statement for tin wear loss (the tin wear loss results with the reference oils have been essentially zero), and the ASTM mandatory requirement that all test results shall have a precision statement, the HTCBT Surveillance Panel has recommended removing the tin wear loss result as a test method requirement and replacing it with a Report only item.

In Table 3, under the CH-4 Category,

| | | |
|--------|--|------------------------------------|
| D 6594 | Used Oil Elemental Concentration mg/kg increase, max | Tin 50 <u>Report</u> |
|--------|--|------------------------------------|

In Table 3, under the CI-4 Category,

| | | |
|--------|-------------------------------------|-----------------------------|
| D 6594 | Tin, mg/kg increase, max | 50 <u>Report</u> |
|--------|-------------------------------------|-----------------------------|

4.1.8.10 Test Method D 6594 operated at 135°C, a High Temperature Corrosion Bench Test (HTCBT), has been shown to predict the corrosion of engine oil-lubricated copper and lead, ~~or tin~~-containing components used in diesel engines.

4.1.9.12 Test Method D 6594 operated at 135°C, a high temperature corrosion bench test (HTCBT), has been shown to predict corrosion of engine oil-lubricated copper and lead, ~~or tin~~-containing components used in diesel engines.