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# **Suggested Edits to ASTM D4485 for PC-11**

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- There was a concurrent D02/Sub B ballot that closed August 16, 2016 and Item 54 was a ballot to finalize PC-11 in D4485.
  - I felt there were six items that could be changed to increase the clarity and usability of the standard.
  - The all of the suggestions are editorial and do nothing to change the technical aspect of the D4485 ballots.
- Three of the items were accepted as editorial changes and I editorially withdrew my negative.
  - Capitalize the “A” for the T-11A, include “for used oils” in the description of the MRV method, change the T-13 parameter name to “T-13 FTIR Peak Height Oxidation”
- The other three items to make the standard clearer and easier to use need their own ballots.



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- 6.9 {Test Procedures} Lists D5800 as a test necessary for API CK-4 and API FA-4 but D5800 is not included in 4.1.6 {Performance Classification}.



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- 4.1.6 provides an explanation of the test methods required for these API Service Categories.
- D5800 is not included in 4.1.5 {Performance Classification} for API CJ-4 while it is included in 6.8.
- But a D5800 description does occur in 4.1.4 for API CI-4.



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- Proposal:** Copy 4.1.4.11 to both 4.1.5 and 4.1.6 in an appropriate location and number appropriately.



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- In the bench test section, D6896 (MRV TP-1) includes new language “(D7156 Engine test requirement)”.



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- I understand the desire to emphasize that the used oil for this D6896 comes from a D7156 but since you can schedule a T-11A without a T-11.
- **Proposal:** change “requirement” to “required” so the first line would now be “D6896 (Sooted Oil MRV TP-1) “(D7156 Engine test required)”.



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- Combining the two viscosity grades as one column of limits under CK-4 is confusing where there are different limits for the different viscosity grades especially HTHS Viscosity at 150 °C.



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- Another area where the difference in limits by viscosity grade is controlled by the row title is viscosity after 90 cycle shear.
- **Proposal: Make a column of limits by viscosity grade or summer viscosity grade under CK-4 so that there are multiple columns of CK-4 limits.**