

Volatility Surveillance Panel Telecon

March 25, 2014

Agenda

- Discussion on use of new D5800 reference oils in D6417
- Discussion on PDSC method to monitor D5800 reference oil stability
- Discussion on potential D5800B daily check oil
- Additional topics

D5800 Reference Oils in D6417

- Given the introduction of the new D5800 reference oils, a topic for discussion is whether to replace the current D6417 reference oils with the new D5800 reference oils
- TMC requested D6417 testing on new D5800 reference oils to gauge potential as new D6417 reference oils

Current Oils		
Oil	Target Mean	95% Range
55	11.68	10.7-12.7
52	6.97	6.4-7.6
58	5.61	5.0-6.2

New D5800 Reference Oils in D6417			
Oil	Lab A	Lab B	Avg
VOLB12	14.4%	13.9%	14.2%
VOLE12	8.9%	8.2%	8.6%
VOLC12	7.2%	6.9%	7.1%
VOLD12	3.2%	3.4%	3.3%

D5800 Reference Oils in D6417

- Potential options:
 - Replace all D6417 reference oils with D5800 reference oils
 - Not favored as VOLB12 and VOLD12 are significantly far from 10% limit
 - Replace one or two D6417 reference oils with new D5800 oils
 - Replace Oil 52 with either VOLC12 or VOLE12
 - RR would be required to set new limits for one or two oils
 - Do not replace D6417 reference oils at this time
- If last option is selected, next step would be for TMC to request new reference oils from suppliers with nominal targets of 5%, 8%, and 11.5%
- Recommendation from Chair: Do not replace at this time

PDSC Method Selection for Oil Monitoring

- Two PDSC methods were suggested as potential monitoring options for the D5800 reference oils
- Results from one test are shown below
 - Test ends at 120 min

Oil	D6186@180°C	CEC L-85-99@210°C
VOLC12	> 120 min	> 120 min
VOLD12	110 min	116 min
VOLE12	> 120 min	> 120 min

- Possible options
 - Choose one method over the other
 - Test D6186 at 210°C method to see if that shows discrimination
 - Do not use either method

Discussion on Specified Daily D5800B

Check Oil

- There was significant discussion at the Tampa ASTM meeting about TMC specifying a daily check oil for D5800B
- Reasons for change:
 - Greater consistency in industry
 - Interest in having a more readily available reference oil in North America
- Tannas has offered SNC-150 to be used in this capacity
 - Oil is commonly used in Procedure C units
 - Oil is readily available in NA; no volume limitations for Tannas

Discussion on Specified Daily D5800B

Check Oil

- Discussion for SP:
 - Does this SP want to specify a daily check oil for D5800B in TMC monitored labs?
 - If so, is Tannas SNC-150 the oil which should be specified?
 - If so, a RR may be necessary to set the acceptance bands for D5800B
 - Should this requirement be for TMC monitored labs or should it be for D5800B?
 - This SP can control what is required for TMC monitored labs
 - Action by D02.06B would be necessary for this requirement for all labs

Additional topics?