EI 1581 Specifications and laboratory qualification procedures for aviation fuel filter/water separators, 6th Edition

Addendum 5 February 2018

Page 26: 4.5.6 Water coalescence test – Element containing solids

Add new paragraph to the end of 4.5.6.1:

"Note: During the testing of a 50 mm (2 in.) nominal diameter filter/coalescer if the pressure differential across the vessel reaches 520 kPa (75 psi) a final sample shall be taken for free water analysis and the test shall be stopped. If effluent contamination of samples remains within the limits defined in 3.1 (see also Table 3) the test can be terminated and considered successful. In this case, testing in accordance with 4.5.6.2 should start with a new element that has been preconditioned in accordance with 4.5.3, 4.5.4 and 4.5.5."

Page 26: 4.5.6 Water coalescence test – Element containing solids

Add new paragraph to the end of 4.5.6.2:

"Note: During the testing of a 50 mm (2 in.) nominal diameter filter/coalescer if the pressure differential across the vessel reaches 520 kPa (75 psi) a final sample shall be taken for free water analysis and the test shall be stopped. If effluent contamination of samples remains within the limits defined in 3.1 (see also Table 3) the test can be terminated and considered successful.

Page 32: Table 3

Replace the last three rows of the table with:

Water removal: During 0,01 % water injection rate	4.5.6	At 2, 5, 15, 30, 45, 60, 75, 90, 105, 120, 135 and 150 minutes[c,d)]	As required by ASTM practice	Free water content	Up to 12	Test unit outlet	Water content
During 3 % or 0,5 % water injection rate		At 2, 5, 10[c)], 20[c)], and 30 minutes[d)]	As required by ASTM practice	Free water content	Up to 5	Test unit outlet	Water content
a) Minimum. b) One sample for each element conditioned – sample taken from point before common manifold when multi-elements conditioned. c) After stop/start – test continued until sample obtained. d) For testing involving a 50 mm (2 in.) nominal diameter filter/coalescer, 520 kPa (75 psi) may be reached before these samples are obtained. If 520 kPa (75 psi) is reached during sampling, the flow rate may be reduced (to not lower than 50 %) so that the required sample volume is obtained. A minimum of two samples are required during a test that is ended due to reaching 520 kPa (75 psi), one of which shall be taken at rated flow.							