

EI 1583 6th Edition Filter Monitor Elements

Introduction

2" Filter Monitor Elements qualified to the 6th edition of EI 1583 are now available from a number of manufacturers. EI 1583 6th edition was issued in January 2011 and included additional tests for SAP media migration and salt resistance. Both JIG and IATA are supportive of the use of 6th edition elements as soon as possible.

It is emphasised that the use of monitor elements requires that a number of conditions shall be in place.

- Monitor elements shall not be used where the fuel contains fuel system icing inhibitor. (FSII)
- A filter monitor should be operated as closely as possible to its rated flow. Element and vessel sizing therefore needs to be carefully considered for each application.
- In changing from EI 1583 4th edition elements to EI 1583 6th edition elements, there shall be no mixing of editions in the vessel. All elements shall be EI 1583 6th edition after the change. There shall be no mixing of elements from different manufacturers.
- Monitor elements shall be replaced if the differential pressure reaches 1.5 bar (22psi) at (or corrected to) the maximum operating flow rate through the filter vessel as currently installed.
- Monitor elements shall also be replaced if the flow rate falls to an unacceptably low level; if filter membrane tests show abnormal results; if unusual sediment or more than a trace of water is found downstream of the vessel; if there is a sudden drop in differential pressure without any obvious cause being found; or after the maximum service life recommended by the manufacturer.

For further information, refer to the filtration appendix in the JIG Standards and EI 1550.

Action for JIG Joint Ventures

Monitors qualified to the 6th edition of EI 1583 should be used when filter vessels fitted with 2" elements are next due for changeout. JV Managers shall ensure that all filter vessels with 2" monitors at their location are fitted with 6th edition monitor elements before the end of December 2012.

6" Filter Monitor Elements qualified to the 6th edition of EI 1583 are not yet available. When these are commercially available they shall be used without delay.

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