

SUMMARY

This update includes the latest information from the JIG filtration field trials with the Parker Velcon CDFX Water Barrier (2") technology which will soon resume field evaluation with an updated element design (CDFX-2XXB), containing a modified end cap to centre tube joint.

1. FIELD TRIAL PERFORMANCE AND ELEMENT REDESIGN

Following the field trial findings already detailed in TN10 and TN11, the manufacturer has completed its review and has redesigned the end cap to improve the robustness and consistency of the joint. The new design is in production and was submitted for partial requalification to the EI 1588 Specification as required. The new design – CDFX-2XXB – successfully passed the tests and has received confirmation from the Energy Institute that it meets the requirements of both the 1st Edition and the draft 2nd Edition of the Specification (expected publication in October 2022).

2. FIELD EVALUATION

JIG and the manufacturer have organised for the new design to be evaluated in several field trial vehicles in order to validate during refuelling operations the performance levels that have been measured during the laboratory tests undertaken for requalification.

The elements will remain in service for approximately 3 months, after which they will be subject to laboratory testing to confirm acceptable performance and structural integrity. The field trial data will then be evaluated to determine if the Parker Velcon CDFX Water Barrier will be adopted into JIG Standards.

JIG will issue a further Technical Newsletter or Bulletin as soon as these trials have been completed and the results evaluated (expected in February / March 2023).

For further information on this subject, readers are welcome to contact JIG at filtration@jig.org or technical@jig.org