

## SAFETY MOMENT #1 -0721



### Ladder Coupons Bent & Reinstalled

The photographs show a solid carrier plug with what is left of a ladder coupon holder that had sheared off at the weld due to wake frequency failure. The client had previously been supported by another contractor and the previous reports showed that the holder had been bent once before, but the technician was advised by their supervisor to simply bend it back and re-install. The holder was never fit for purpose in the first instance. To make matters worse, the contractor had recommended to install the ladder holder broadside into the flow to gain accelerated erosion rates for some coupons and corrosion rates for the others. Needless to say this would not deliver accurate results and the broken holder ended up lodged in a double isolation valve requiring a flowline shutdown to extract it. Fortunately it hadn't made its way downstream to a more vital part of the process where it may have become more dangerous and harder to locate. There was another ten flow lines with same type of holders that had to be replaced.

Axess now manage the clients monitoring and the data is accurate and devices fit for purpose.

Use the Axess Project Kickstarter software to ensure correct device lengths and verify they pass WFC's.

**CARRY OUT WAKE  
FREQUENCY OR DRAG  
FORCE CALCULATIONS**

**NON-WELDED HOLDERS  
ARE ADVISED IN MOST  
CASES**

**DO NOT RE-INVENT THE  
PURPOSE OF THE DESIGN**

**WHEN A DEVICE IS BENT,  
REPLACE IT AFTER  
APPLICATION REVIEW**

**KNOW THE PURPOSE OF  
MONITOR DESIGNS.  
RECEIVE TRAINING OR  
SEEK EXPERT ADVICE**