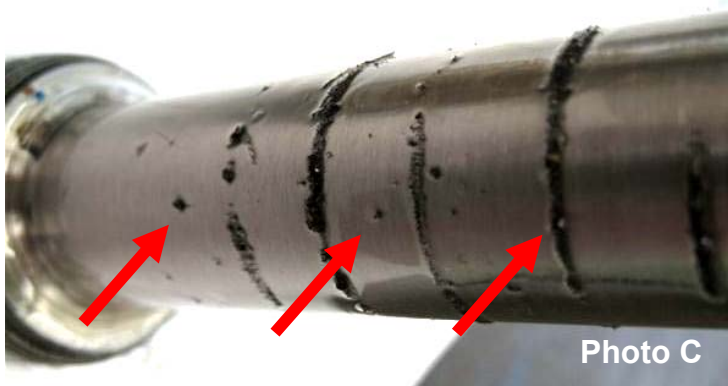
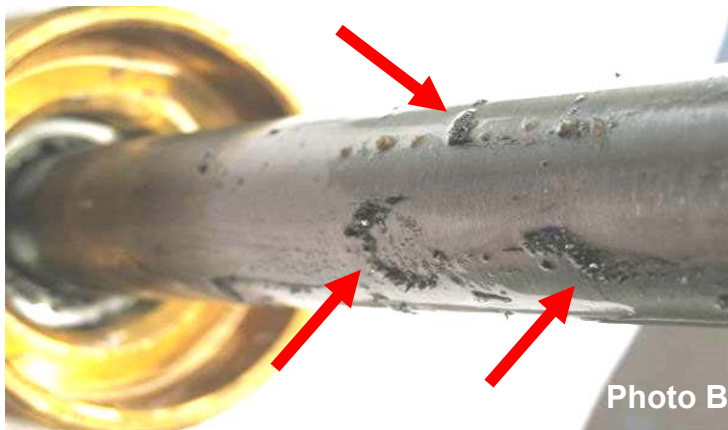


## Case Study: Case Drain Filtration



## Hydra Rig, NOV - N2 Pumper Changqing Div. of Sinopec Xianyang City, Shaanxi Province May 2009

**APPLICATION:** 20 year old, N2-Pumper, 600 hp output, with closed loop vain system pumps and 400 gallons total flow being refitted by Hydra Rig.

**PROBLEM:** Concern with contamination during startup and lack of filtration prior to the pumps.

**SOLUTION:** Installation of OEI's 2" Magnetic Y-Strainers (Photo A)

**RESULTS:** "The magnetic Y-Strainers from One Eye Industries worked as I hoped they would, each unit handling approximately 100 gallons per minute the particle captured by the magnetic filters are large enough to cause a catastrophic pump failure." stated Arthur Fekete of National Oilwell Varco. The particles capture were sized from 1 micron up to 8.28 x 7.5 x 2.65 mil, this all occurred in only 2 hours operating time from the hydraulic fluid.

"Where there is a request for case drain filtration, even through pump manufacturers do not recommend this, these strainers have almost no pressure drop and the magnets will seem to prevent much build up in the screens."

The OEI magnetic filter is easily cleaned and the trapped contamination analyzed for component wear identification allowing predictive maintenance planning. For further information contact our office or visit our website [www.OneEyeIndustries.com](http://www.OneEyeIndustries.com)