DRILL PIPE CARE AND HANDLING

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- MONITOR PIPE FOR FATIGUE DAMAGE
  - JOINTS NEXT TO A CHANGE IN CROSS SECTION HAVE HIGHER STRESS
  - FATIGUE DAMAGE IS CUMULATIVE SO FAILURE MAY OCCUR ON A DIFFERENT JOB
  - CANNOT INSPECT FOR FATIGUE, SO MONITORING IS IMPORTANT

- PROTECT THREADS FROM GALLING
  - USE THREAD PROTECTORS TO REDUCE HANDLING DAMAGE
  - REMOVE STORAGE OR OLD THREAD COMPOUND
  - USE A THOROUGH APPLICATION OF CLEAN QUALITY THREAD COMPOUND
  - NEW CONNECTIONS ARE MORE SUSCEPTIBLE TO GALLING

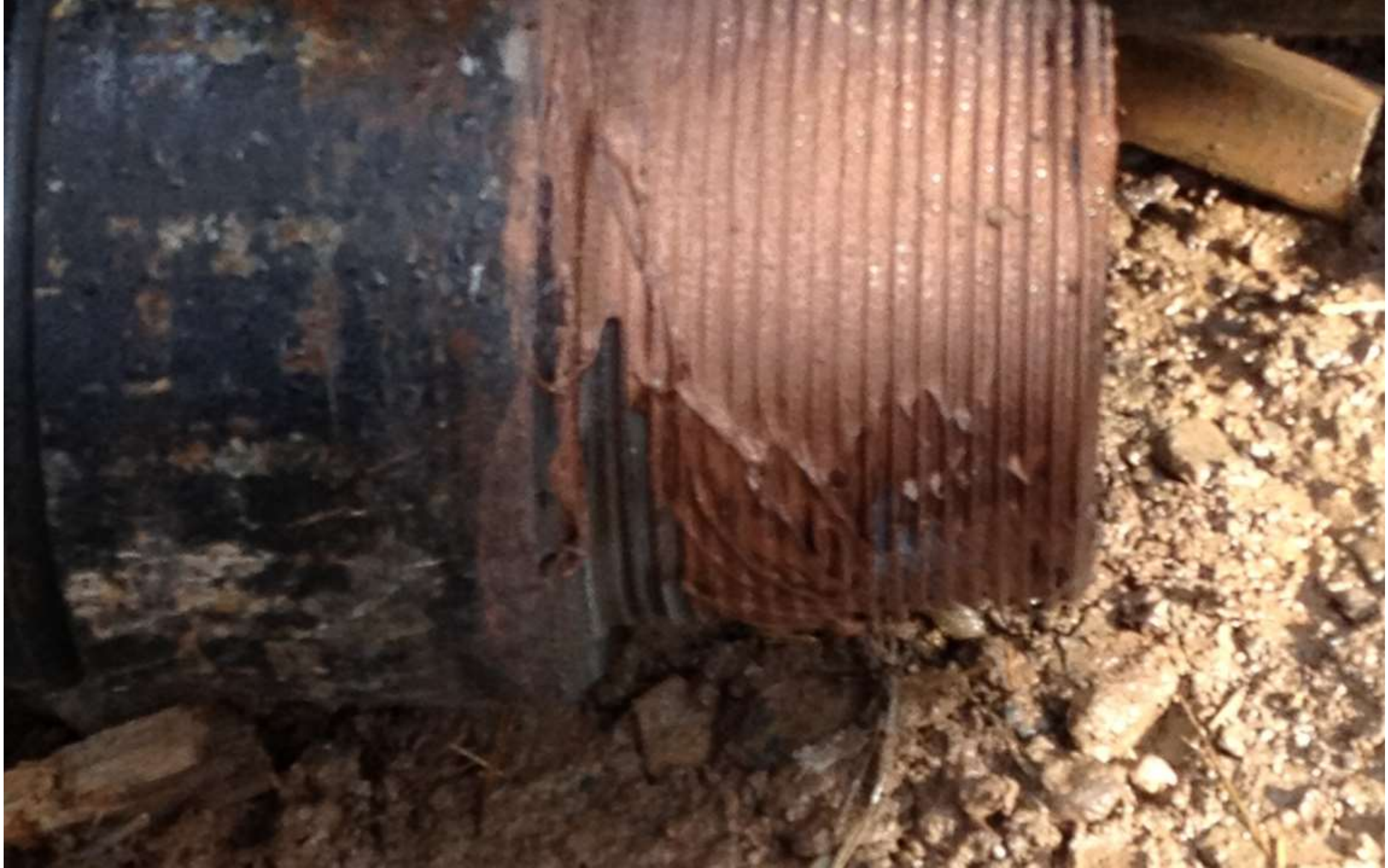
- KEEP STRINGS TOGETHER

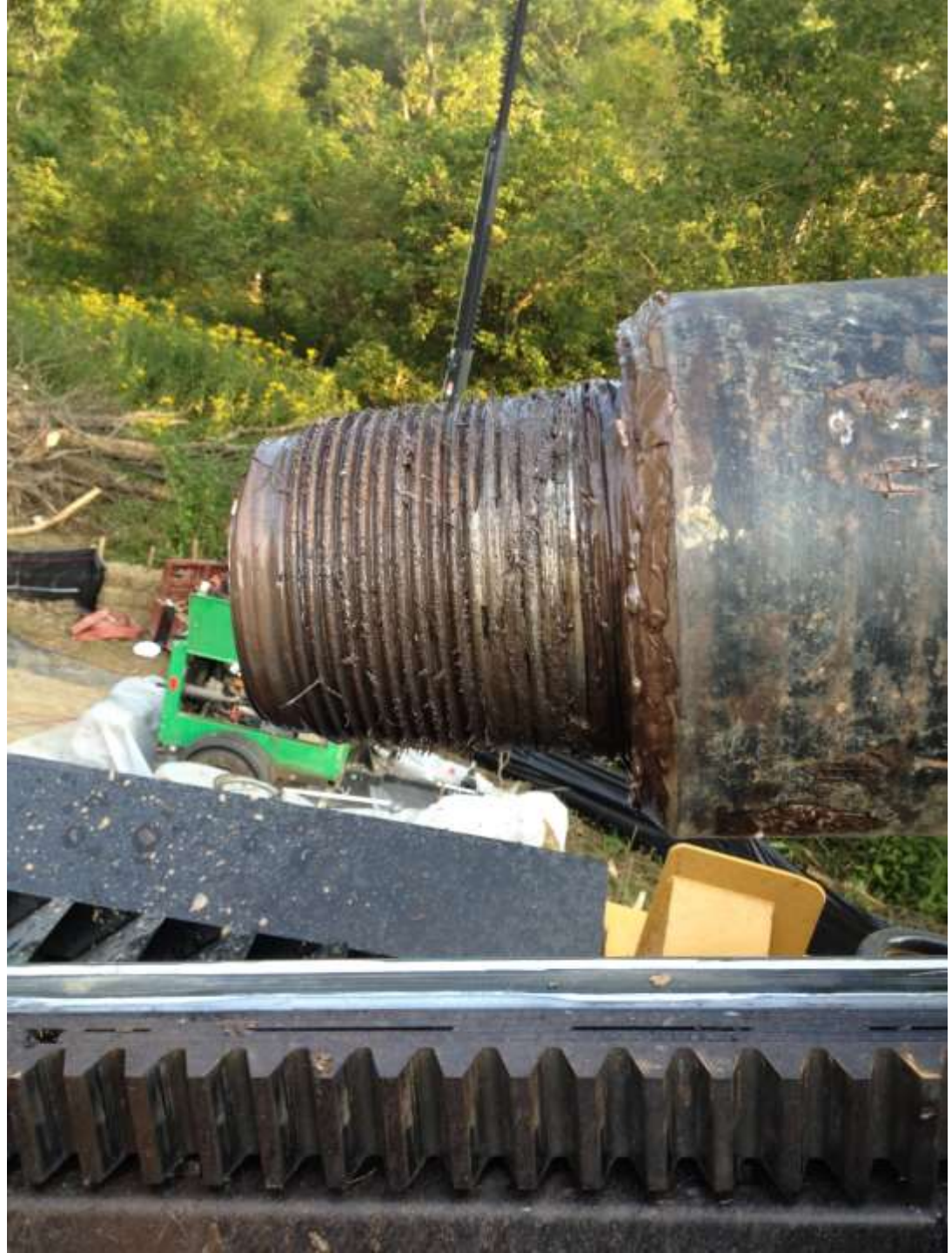
- INSPECT

DRILL PIPE CARE AND HANDLING

Insufficient Thread Compound coverage Rotary Shouldered Connections

Proper Thread Compound coverage for Rotary Shouldered Connections





DRILL PIPE CARE AND HANDLING

ALWAYS MAKE UP DRILL PIPE AND ACCESSORY CONNECTIONS TO THE RECOMMENDED MAKEUP TORQUE (MUT) PRIOR TO GOING DOWN HOLE

USE THE FRICTION FACTOR (FF) FOR YOUR THREAD COMPOUND TO MODIFY THE RECOMMENDED MUT

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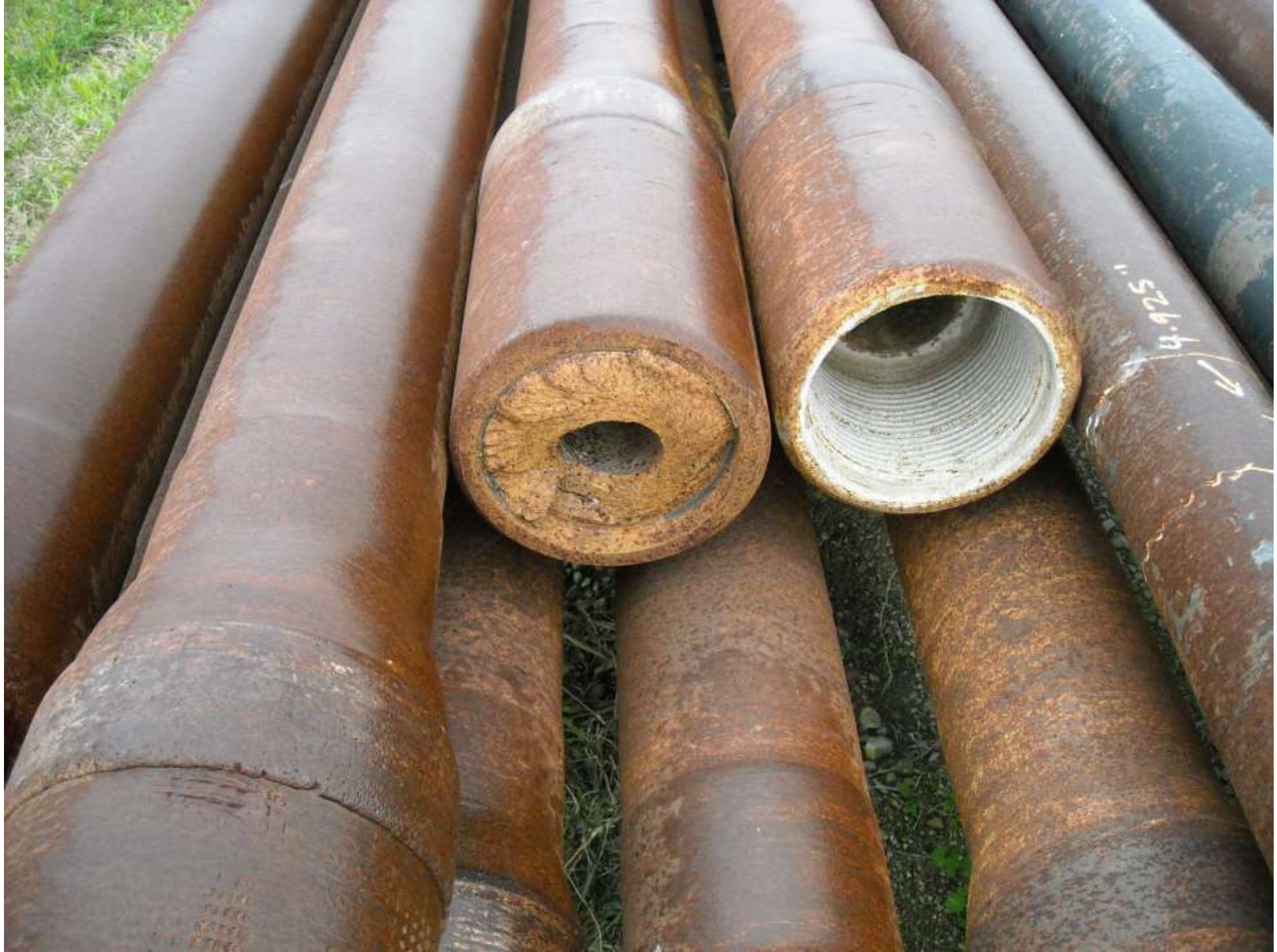
In severe conditions the recommended makeup torque should be increased 10% to reduce the possibility of uncontrolled downhole makeup. Utilizing a 1.15 friction factor thread compound, the makeup torque would be increased by 20-25%. Failure to do so can result in loose connections and problems such as fatigue, wobble damage or dry connections.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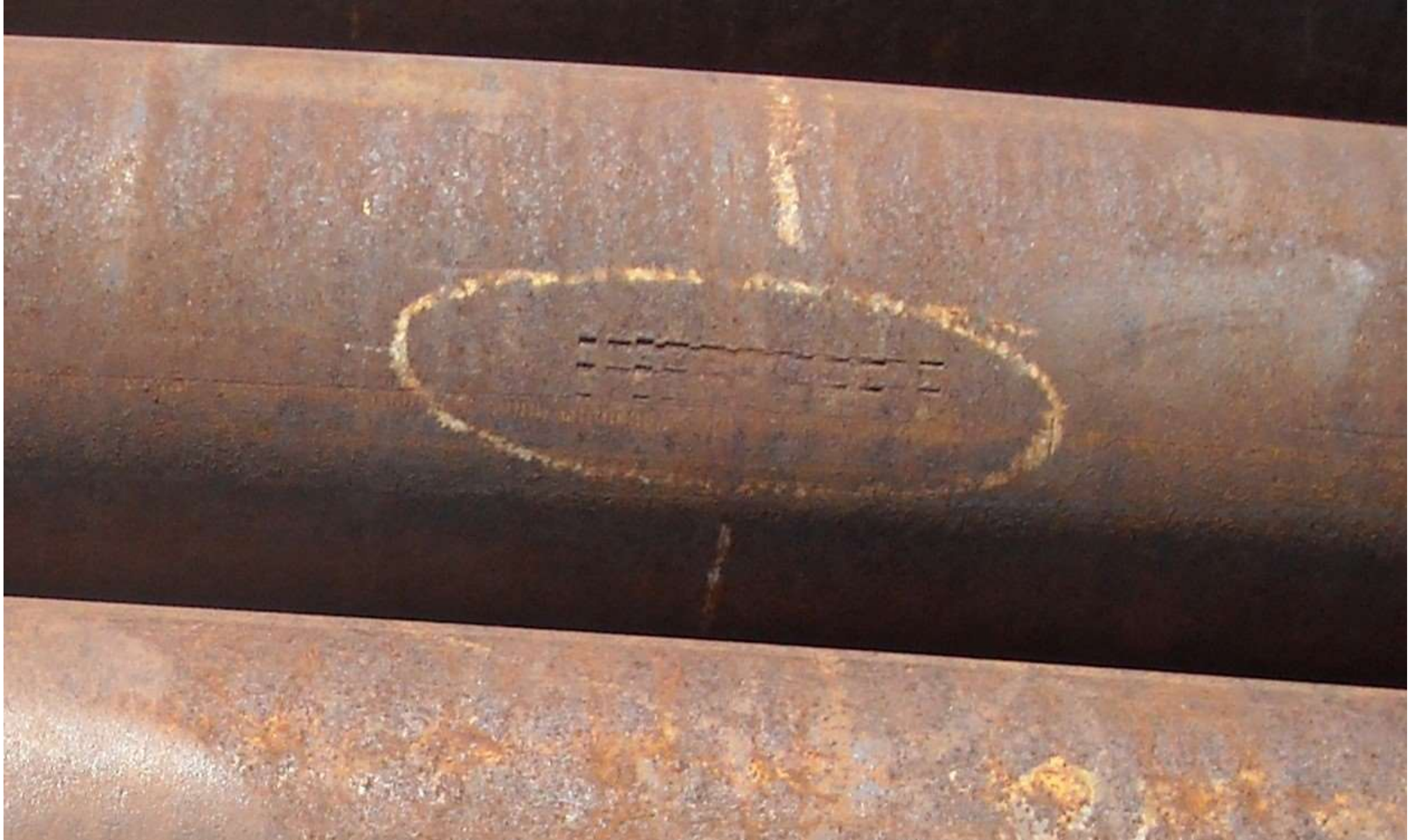

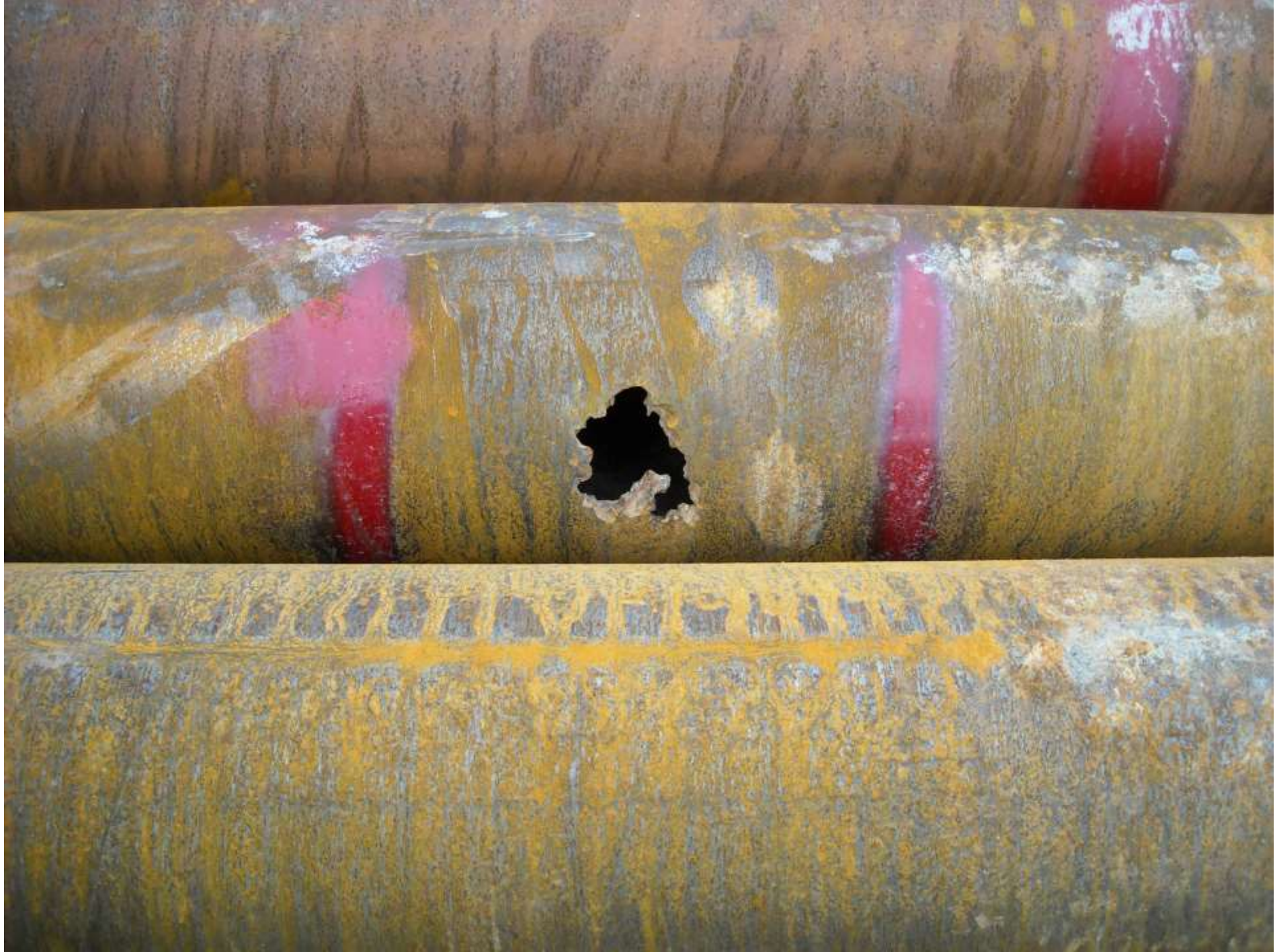

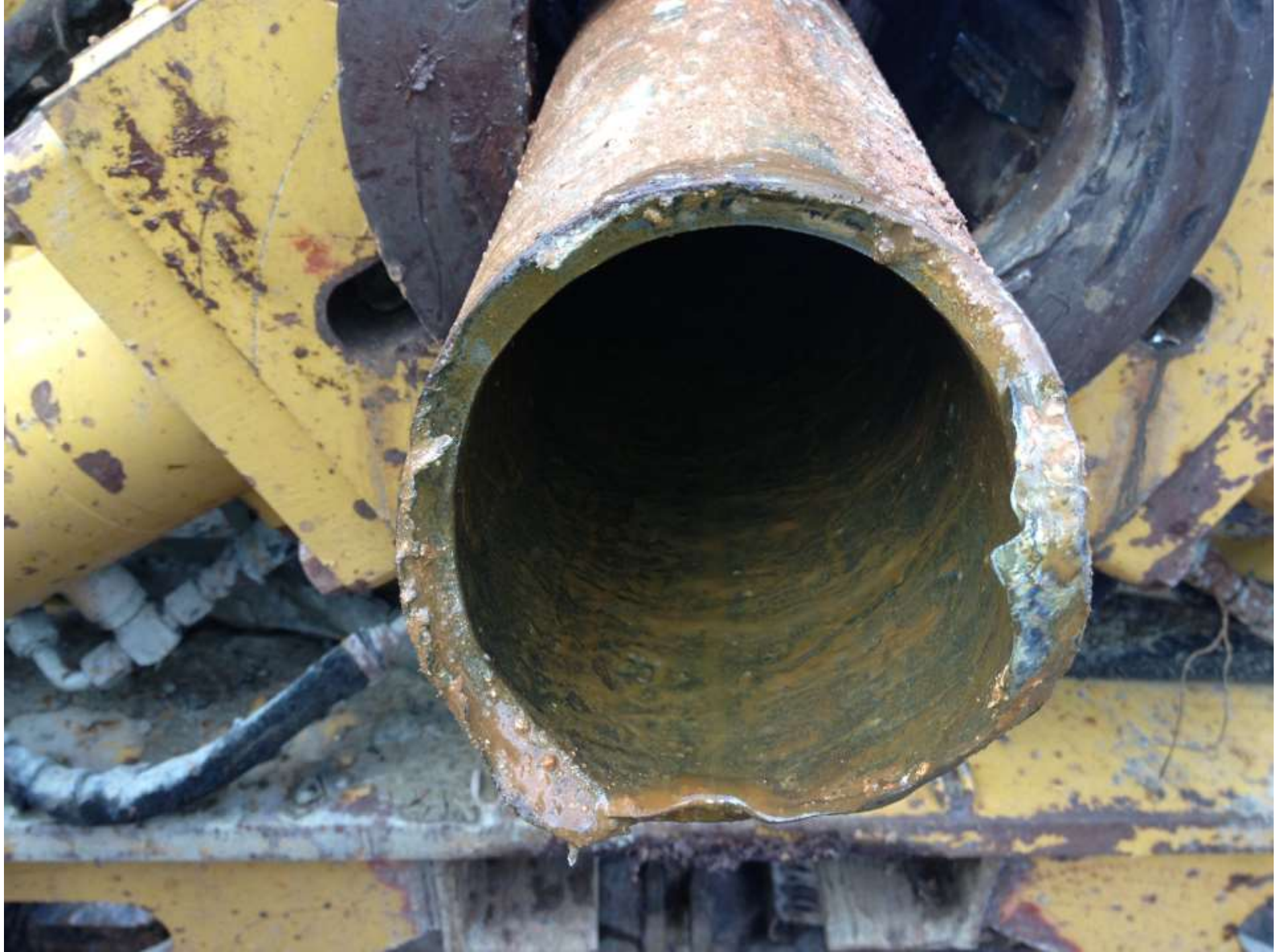

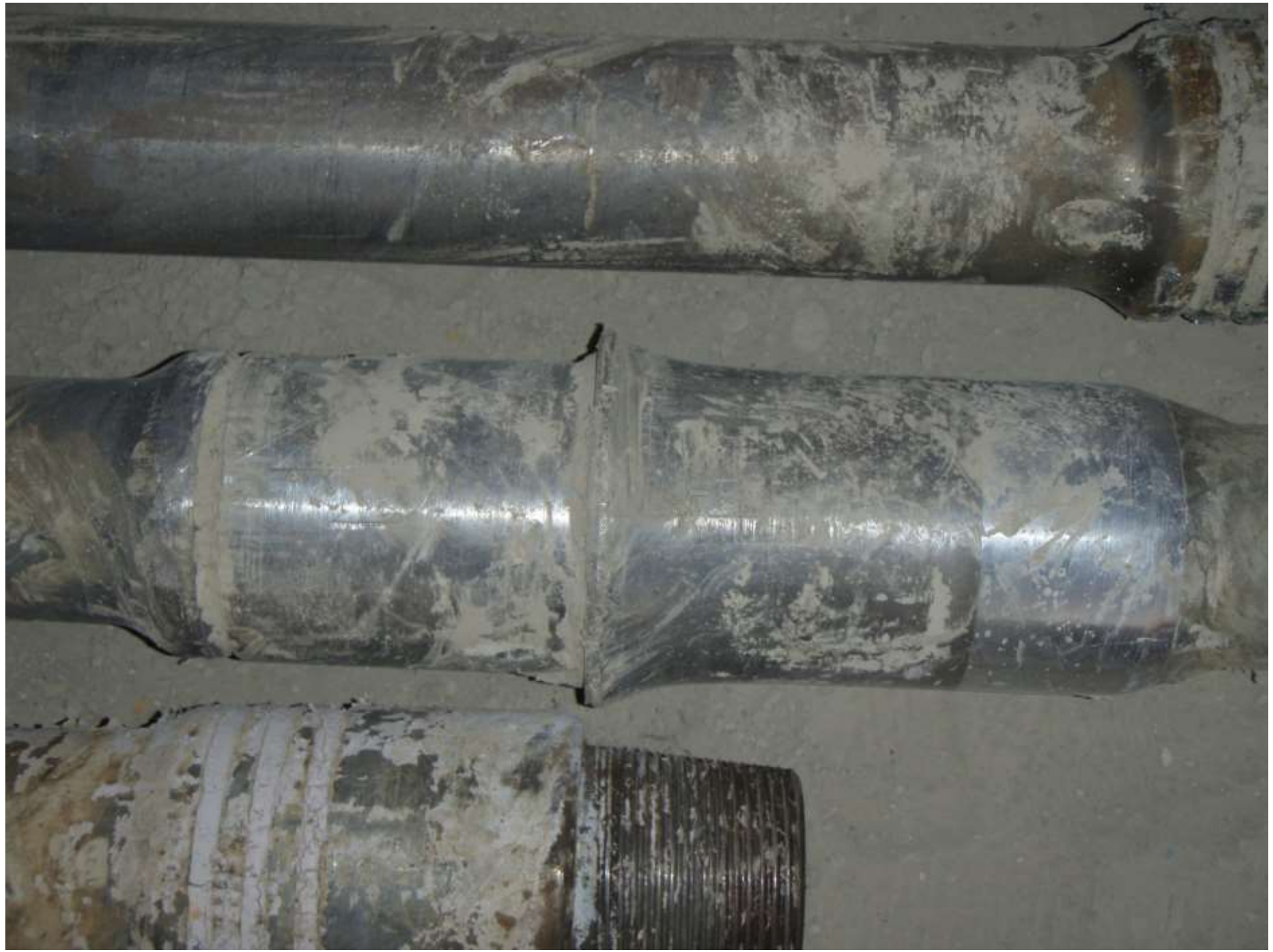

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