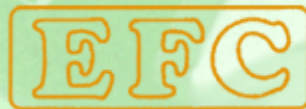


# The Use of Inhibitors in Oil & Gas Production – WP13

## Presentations

- “Corrosion Inhibitor Transport in Oil Export Pipelines - Food for Thought” - *Mohsen Achour*
- “Publication of Corrosion Inhibitor Test Procedures on WP13 Home Page” – *George Winning*



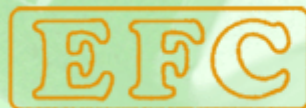
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# EFC WP13

# Corrosion Inhibitor Testing Protocols

Wednesday 10<sup>th</sup> September, Eurocorr 2008, Edinburgh

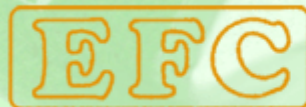
- Introduction
  - Aims
- Current progress
- Sections
  - Volunteers
- Future



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# Introduction

- On Line Inhibitor Selection Testing Protocol Guidance
  - Following on from EFC 39
- On Line Methodology
- Reference Guide for Test Methodologies
- Standardisation

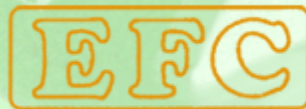


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# Introduction

## On Line Inhibitor Testing Protocols

- EFC 39 documented the available methodologies
- Did not give guidance on tests to be used for different applications
- Will discuss the applications and the recommended tests to perform, so a program can be designed
- Relevance of test
- Possible problems
- Possible variations

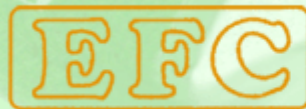


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# Introduction

## On Line Methodology, Reference Guide

- Guidance on methods
  - Links to standard methods and recommended practices (NACE, API, ASTM)
- Limitation of tests
- Inclusive of new methods
  - Under deposit testing
  - Weld testing
  - Top of line corrosion testing
  - Link to papers

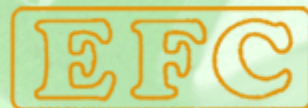


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# Introduction

## Standardisation

- Allows common testing procedures to be used
- Understanding of test results
- Interpretation of results
- Applicability to application

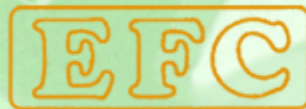
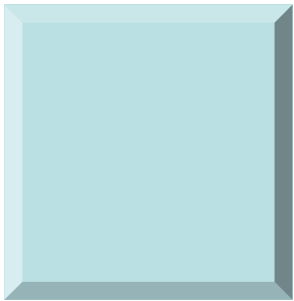


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## Current Progress

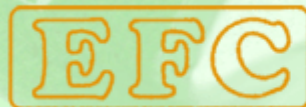
- On line format



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# Proposed Performance Tests to Include

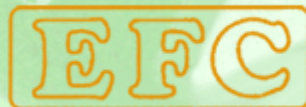
- Bubble tests
  - Aqueous
  - Partitioning
  - Persistency
  - Batch Treatment
- Dynamic Tests
  - Low pressure
    - RCE
    - Flow loops
      - Partitioning
      - Persistency
      - Batch treatment



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# Proposed Performance Tests to Include

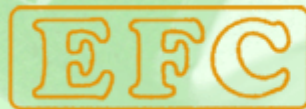
- Dynamic Tests
  - High pressure
    - RCE
    - Flow loops
    - Rotating Cage
      - Partitioning
      - Persistency
      - Batch treatment



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# Proposed Performance Tests to Include

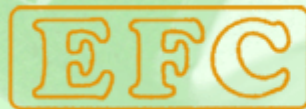
- High Pressure Testing
  - Bombs – Coupons
  - Autoclaves
    - Partitioning
    - SGS type
    - Coupons
    - Electrochemical



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## Ideas

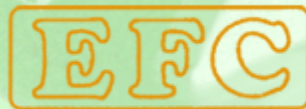
- Need to Decide upon test to include
  - Questionnaire
- Links to standard procedures
- Non standard procedures, weld and under deposit to be written, or referenced to papers
- Incorporation of NACE TG 330 (methods), TG 380 (under deposit) when available
- Do we need to incorporate electrochemical methods or is it out of the scope?



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## Schedule

- EFC discussion by December 2008
- First on line version - EUROCORR 2009



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