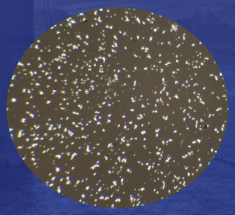
Paraffin Wax Testing

Scaled Solutions offers a range of flow assurance services which include test protocols to investigate and prevent the formation of wax deposits, and remediate them



How our services can help you



Main Services

Laboratory testing includes:

- Crude Oil Analysis
- Wax Appearance Temperature at High pressure
- Deposition Tendency/ Inhibitor Performance by Flow Loop
- Field Risk Assessment
- Restored and re-equilibrated to reservoir conditions
- Gel Strength/Pipeline Restart Tests

Supportive Techniques

- Wax Precipitation Modelling (PVTsim Nova)

Equipment Design and Build



Wax Flow Loop

- Specifically-developed test rig; designed and manufactured in-house
- Determination of wax-appearance temperature under pressurised conditions (up to 350 bar)
- Investigation of deposition characteristics under field-matched ΔT, residence time
- Investigate precipitation and deposition simultaneously
- Qualification of Wax Inhibitors including performance, stability, compatibility and application-specific testing
- Capability to use live crude or re-livened crude

Crude Oil Analysis

- Wax content, pour point, wax appearance/ disappearance temperatures by cross-polar microscopy
- Compositional analysis by GC (to C_{100})
- Rheological measurements using Anton Paar MCR302 Rheometer

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Key Papers

- Benjamin Martin, Andrew Farrell, David Nichols, Sarah Dyer, Gordon M. Graham (Scaled Solutions Ltd.); "A Comparison of Wax Inhibitor Performance under Static and Dynamic Conditions" 30th Tekna Oilfield Chemistry Symposium, Geilo, Norway, March 2019

Truly Independent Laboratory

At Scaled Solutions, our mission is to be recognised worldwide through our independent specialised laboratories as the leading supplier of bespoke equipment, training, consultancy and provider of solutions to challenges in Production Chemistry, Corrosion and Formation Damage.

We aim to exceed our customers' expectations and improve our service to our customers on a continual basis through our key values: team work & communication, openness & transparency, continual improvement and trust.

Quality, Integrity, Safety and Excellence

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British Assessment Bureau
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