

Chemical Delivery

Scaled Solutions offer a suite of testing protocols. Specifically designed to qualify chemicals for use in downhole continuous injection (DHCI) systems or application via a gas lift system

How our services can help you

Main Services

Product Stability Assessment

- Filter Tests
- Long Term Thermal Ageing
- Product Stability/ Rig

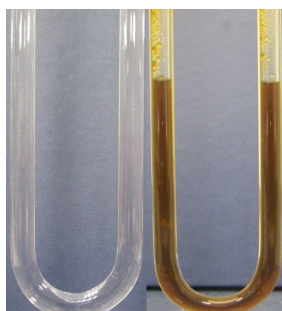
Evaporative Techniques

- Distillation
- Capillary Evaporation
- Dynamic Gas Lift Rig

Supportive Techniques

- Viscosity Testing
- Chemical Performance Testing
- SEM/EDX Analysis

Tests can be tailored to specific client requirements



Product Stability Rig

- Specifically developed test rig; designed and manufactured in-house
- Chemical stability evaluation under dynamic flow conditions and field appropriate shut-ins
- 2 linked capillary flow systems simulating minimum and maximum temperature
- Testing at field representative temperature/ pressure
- Assessment of viscosity changes and solids formation

Dynamic Gas Rig

- Used to mimic the evaporative process encountered in Gas streams

Capillary Evaporation

- Glass capillaries used in chemical evaporation tests to assess chemical formulation stability
- Simulation of low pressure vapour pockets
- More field representative surface area to volume ratio than typical bottle tests

Key Papers

- Tom Tjomsland, Britt Marie Hustad, Odd Geir Svela, John Helge Olsen, Simon Ostgaard (Statoril ASA), Christine Stewart-Liddon, Neil Goodwin, Gordon Graham (Scaled Solutions Ltd.); ‘Qualification of Chemicals/Chemical Injection Systems for Downhole Continuous Chemical Injection’; SPE- 169782
- Tore Tjomsland, Britt Marie Hustad, Odd Geir Svela, John Helge Olsen, Simon Ostgaard (Statoril ASA), Christine Stewart-Liddon, Neil Goodwin, Gordon Graham (Scaled Solutions Ltd); ‘Qualification of Downhole Valves Used in Continuous Injection Systems’; SPE- 169783
- Neil Goodwin, Gordon Graham (Scaled Solutions Ltd); ‘Evaluating Evaporative Processes– Gas Lift Chemical Applications, Halites and Gunking’; SPE- 1907112

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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