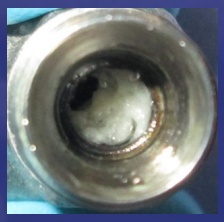
Chemical Delivery

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

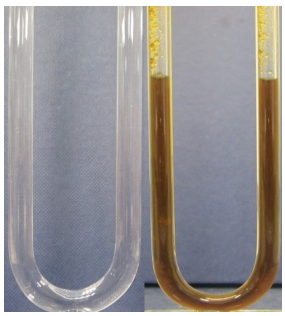
Evaporative Techniques

- 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

Scaled Solutions

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

Our Head Office

6 Nettlehill Road
Houstoun Industrial Estate
Livingston
EH54 5DL
United Kingdom

Tel: +44 (0) 1506 439994
Fax: +44 (0) 1506 439971

Our United States Office

Scaled Solutions USA
12621 West Airport Blvd
Suite 400
Sugar Land
Texas 77478

Tel: (281) 302-5900

Our Middle East Office

Scaled Solutions LLC
Showroom B130GF, Plot 29-A
Mussafah Industrial Area No.41
ICAD III
Abu Dhabi, UAE

Tel: +971 2 666 9304
Fax: +971 2 666 9324

Our Malaysia Office

Scaled Solutions Malaysia Sdn Bhd
202001018175, 1374495-K
Lot 7.26, 7th Floor
Wisma Central, Jalan Ampang
50450 Kuala Lumpur

Tel: +60 17 267 1090

British Assessment Bureau
UKAS MANAGEMENT SYSTEMS
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General Enquiries: enquiries@scaledsolutions.com
Website: www.scaledsolutions.com