

## Laboratory Report

Bergen, 03.08.2014

### Reference. 2015-QC-Car-08/1

Item: Oil well SCALE  
Client: (Not to be disclosed)

SCALE sample received: 20.07.2014  
Analysis period: 28.07 2014 to 09.08.2014

Information given by client:  
SCALE sample form oil well  
Region: Carnavon, Australia

Test piece: L 25 x H 18 x W 12 mm  
Test medium: Termorens liquid 100 modified  
Temperature: 17 Degrees C.  
Method: Circulation  
Test period: 6 hours.  
Test repeated: 4 times

Test inspected	TR 100 modified
1 hour	15 % dissolved
2 hour	30 % dissolved
3 hour	50 % dissolved
4 hour	60 % dissolved
5 hour	75 % dissolved
6 hour	100 % dissolved



Test 2015-QC-Car-08/1 carried out with successful results.

**TermoRens  
Offshore Service as**

Arild Kvalvik  
Operations Chief  
FROSIO Senior Inspector Level 3

# Laboratory Report

Bergen, 20.11.2014

## Reference. 2014-QC-Dan-11/1

Item: SCALE from 6" pipe down stream of PLV @ ANDR-162

SCALE sample received: 07.10.2014

Analysis period: 21.10.15 to 18.11.2014

Information given by client:

SCALE sample form 6" pipe down stream of PLV @ ANDR-162

Region: Saudi Arabia.

Test piece: L 17 x H 15 x W 14 mm  
 Test medium: Termorens liquid 100  
 Temperature: 20 Degrees C.  
 Method: Circulation & no circulation  
 Test period: 7 hours.  
 Test repeated: 5 times

Test inspected	TR 100 No circulation	TR 100 Circulation
1 min	Started to react	Started to react
1 hour	10 % dissolved	30 % dissolved
2 hour	35 % dissolved	60 % dissolved
3 hour	60 % dissolved	75 % dissolved
4 hour	70 % dissolved	100 % dissolved
7 hour	100 % dissolved	

The sample contain:	
Element	Percentage (Wt.%)
Ca	39.0
Sr	1.3
Cl	0.4
Fe	0.3
S	0.2



Test 2015-QC-Dan-11/1 carried out with successful results.

**TermoRens  
Offshore Service as**

Arild Kvalvik  
 Operations Chief  
 FROSIO Senior Inspector Level 3

## Laboratory Report

Bergen, 12.11.2015

### Reference. 2015-QC-Tyr-10/1

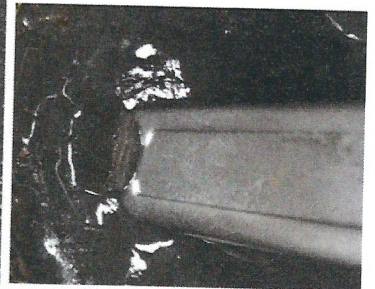
Item: Oil well SCALE  
Client: (Not to be disclosed)

SCALE sample received: 21.10.2015  
Analysis period: 26.10.15 to 11.11.2015

Information given by client:  
SCALE sample form oil well  
Region: Kansas, USA

Test piece: L 20 x H 20 x W 15 mm  
Test medium: Termorens liquid 107  
Temperature: 14 Degrees C.  
Method: Circulation  
Test period: 4 hours.  
Test repeated: 4 times

Test inspected	TR 107
30 min	20 % dissolved
1 hour	35 % dissolved
1 hour 30 min	40 % dissolved
2 hour	45 % dissolved
2 hour 30 min	60 % dissolved
3 hour	80 % dissolved
3 hour 30 min	95 % dissolved
4 hour	100 % dissolved



Test 2015-QC-Tyr-10/1 carried out with successful results.

**TermoRens  
Offshore Service as**

  
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Arild Kvalvik  
Operations Chief  
FROSIO Senior Inspector Level 3