



Cert. No.: NV GOT 140022

DET NORSKE VERITAS

VERIFICATION REPORT

Object: DCCoupling 2"

Manufacturer: Mannteknik AB, Mariestad

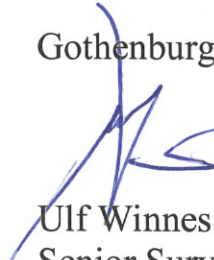
At the request of Messrs. Mannteknik AB, the undersigned surveyor attended their workshop in Mariestad in order to witness function tests of a.m. DDCoupling according to Shell specification with deviations accepted by mail dated 2013.11.13.

Tests carried out:

- Hydrostatic (and high pressure leak tightness) test at amb. temp.
- Leak test low pressure at amb. temp.
- Seat leakage and operational test at -196C.
- Endurance test 10000 cycles at -196C with emission test.
- Pull force and momentum load test (assembly).

We confirm that the test performance and test results as recorded in the enclosed Test Reports, stamped and signed by the undersigned, are correct.

Gothenburg 2014.01.17


Ulf Winnes
Senior Surveyor



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