DNV·GL

STATEMENT OF CONFORMITY

Statement No:
2016-3022

Owner:	**Airborne Oil & Gas**
Name of system/installation:	**Production principles for manufacturing Thermoplastic Composite Pipes (TCP) based on tape-winding on a liner and extruding an outer cover**
Location:	**Airborne Oil & Gas, Ijmuiden, The Netherlands**
Description:	**Generic methodology describing the production process and the production parameters for making a range of TCPs, including methods to obtain permissible production tolerances**

Main Operational Limitations:

Designated use:	**The production principles will be used for obtaining production procedures for specific thermoplastic composite pipes. The principles describe what parameters to control and how accurately the process needs to be controlled**
Conditions:	**This statement is only valid together with the Report on the Verification of Production Principles (ref. /1/) that specifies the product, the general production process and limitations and conditions that apply. The main limitations are the choice of fibre reinforced thermoplastic tape, production speed, dimensional range and fibre angles.**
Verification:	**A specific production process shall be verified against the procedures and limitations described in /1,2/. Modifications of the general approach shall be verified according to /3,4/.**

This is to verify:

That the above mentioned principles for manufacturing have been verified, by appropriate methods, to comply with the requirements of DNV-OS-C501 and DNV-RP-F119, for the main operational limits stated above and further described in the Reference documents listed below.

Verification involvement:

The verification involvement has included:

- production procedures
- checking the procedures against the actual process
- evaluation of the completeness of the described production parameters

The detailed scope of work is described in the appended DNV GL Verification report /1/.

Validity:
This statement is valid on the date of issue.

Reference documents:

/1/ DNVGL Report No. 2016-3022 Rev.0 "Verification of Production Principles for TCP", 29 January 2016
/2/ Production Principles, Airborne Oil and Gas Report AOG1305004R001, Rev. 04, 24 Dec. 2015
/3/ DNV-OS-C501, Composite Components, November 2013.
/4/ DNVGL-RP-F119, Thermoplastic Composite Pipes, December 2015

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for **DNV GL**

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