DNV·GL

STATEMENT OF CONFORMITY

Statement No:
2019-0263

Owner:	**Airborne Oil & Gas**
Name of system/installation:	**Production principles for manufacturing of 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 manufacturing a range of TCP, including methods to obtain permissible production tolerances**

Main Operational Limitations:

Designated use:	**The production principles describe production procedures for thermoplastic composite pipes (TCP) manufactured at the Airborne Oil and Gas manufacturing site at Ijmuiden, The Netherlands. The principles describe what manufacturing parameters will be controlled with what accuracy.**
Conditions:	**This statement is only valid together with the Report on the Verification of Production Principles (ref. /1/).**
Verification:	**A specific production process for a given TCP product shall be verified against the procedures and limitations described in /1,2 and 3/. Modifications of the general approach shall be verified according to /4,5/.**

This is to verify:

That the principles for manufacturing of Thermoplastic Composite Pipes (TCP) at the Airborne Oil and Gas manufacturing site at Ijmuiden, The Netherlands comply with the requirements of DNV-OS-C501 and DNV-ST-F119.

Verification involvement:

The verification involvement includes:

- 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. 2019-0263 Rev.0 Qualification of the manufacturing principles for TCP, 2019-03-01.**
/2/ **AOGQD606 rev07 - Thermoplastic Composite Pipe Production Principles, 2019-01-04.**
/3/ **AOGQD607 rev05 Winding CTQ measurement. Method, Calibration, and Range validation, 2019-01-04.**
/4/ **DNV-OS-C501, Composite Components, November 2013.**
/5/ **DNVGL-ST-F119, Thermoplastic Composite Pipes, August 2018.**

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for **DNV GL**

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