

CERTIFICATE

FOR DIVERTER RUNNING TOOL/TEST TOOL ASSEMBLY

Certificate No:
N141EBDD

This is to certify

that the product:	Diverter Running Tool/Test Tool Assembly
Type designation:	TOOL ASSY, RUNNING/TEST, LG STEM, DVRTR PN 20029315
Application/context:	Well Control Systems
Serial/tag no:	20029315-31

Has been found to comply with relevant requirements in:
OS :DNV GL Offshore Standards, OS-E101 :Drilling Plant (2009-10)
DNVGL Statutory Interpretations DNVGL-SI-0166 "Verification for compliance with Norwegian shelf regulations"

The product is intended for

Yard:	Yantai CIMC Raffles Offshore Ltd.
Yard No:	-
Name of vessel:	BEACON ATLANTIC
DNV GL Id No:	D33893

Particulars of Vendor and Purchaser

Vendor:	National Oilwell Varco, LP- Rig Technologies Division - WLY
Vendor reference:	PO 617791M SO 292603, 299081 (Original SO 833865A)
Purchaser:	Yantai CIMC Raffles Shipyard Co. Ltd.
Purchaser reference:	727537

Issued at **Certification & Inspection Services** on **2018-12-04**



for **DNV GL**

This document has been digitally signed and will therefore not have handwritten signatures

Anderson, Victor
Surveyor

Certificate No: **N141EBDD**

Linked Plan Approvals:

MRAUS474/MROM/D33893-J-2352, National Oilwell Varco - WLY, issued 2016-03-07

Surveyor Supplementary information:

DNV File No. A0386137

Comprehensive material properties and procedures related to testing, welding, NDT, etc. are reviewed and approved by DNV's local surveyor.

Traceable Items:

STEM, RUNNING/TEST TOOL, DVRTR, MNL OPER - SP 504

SLEEVE, ANTI-ROT, RUNNING TOOL, DVRTR W/SPPRT SLOT - 20078290-218

SLEEVE, RG TOOL, DVRTR, MNL OPER, WEDGE TYPE - 20088013-112

DOG, LKG, RNG TOOL, DVRTR WEDGE TYPE - SL 155

PLT, LKG, RNG TOOL, DVRTR - SK 344

PLT, STOP, ANTI-ROT, RG TOOL - SN 440

STEM, TEST, RG TOOL, DVRTR, MNL OPER, WEDGE - SJ 383

STEM, WEDGE, RUNNING TOOL, DVRTR - SF 043

STEM, ADPTR, RG TOOL, DVRTR, 6-5/8" PIN, 5-1/2"BOX - SP 048

Product parameters:

Parameter name	Value	Unit
Minimum Design Temperature	-20 °C	(-4 °F)
Rated Load	250,000	lbs.
Maximum Diverter Test Pressure	750	psi
Service	Well control systems / Marine riser, equipment and control equipment	

Remarks:

ID	Title	Description
N141EBDD:2	Manufactured	August 2015
N141EBDD:3	DVR Comment 1228	An analysis was performed to simulate horizontal test load with the appropriate API 8C test load factor and results were satisfactory. As the intent of the equipment is for running of diverter only (no stack or riser loading), the requirement for a physical test may be waived.