



CERTIFICATE NO:
13-MMPQA-706

EFFECTIVE DATE:
12 OCTOBER 2012

CERTIFICATE FOR Quality Assurance Program

THIS IS TO CERTIFY THAT SURVEYORS TO THIS BUREAU DID CONDUCT
AUDITS OF THE QUALITY SYSTEM PROCEDURES OF

FIRST SUBSEA LIMITED LANCASTER, UNITED KINGDOM

AND THAT THIS SYSTEM IS CONSIDERED TO BE IN COMPLIANCE WITH THE
ABS QUALITY ASSURANCE PROGRAM

IN TESTIMONY THEREOF, THIS CERTIFICATE IS ISSUED UNDER
EVIDENCES OF ABS NEWCASTLE PORT OFFICE SURVEY REPORT NO.
NC2048340 DATED 12 OCTOBER 2012. THIS CERTIFICATE COVERS ABS
APPROVED MOORING ACCESSORIES AND IS VALID FOR FIVE YEARS FROM
ITS EFFECTIVE DATE SUBJECT TO PERIODIC REVIEW.



Mr Gopal Magadi
Manager
ABS Materials, Houston

Ref: OPN: 2710503; O2E TASK: T1028772; London Ref: SM/MPC 965553

Note: This certificate evidences compliance with one or more of the Rules, Guides, Standards or other criteria of American Bureau of Shipping and is issued solely for the use of the Bureau, its committees, its clients or other authorized entities. This certificate is governed by the Rules and standards of American Bureau of Shipping who shall remain the sole judge thereof.



**FIRST SUBSEA LIMITED
ENGINEERING HOUSE
LUNE INDUSTRIAL ESTATE
NEW QUAY ROAD
LANCASTER LA1 5QP
UNITED KINGDOM**

**Reference: SM/MPC 965553
Project Number: 2656242**

ATTN: Mr. Greg Campbell-Smith

**Offshore Mooring Accessory Manufacturer Approval of First Subsea Ltd, UK
– with forgings supplied by Somers Forge Ltd. UK**

We have ABS plant survey report NC2048340 dtd 12 Oct. 2012 along with your submittals, together with enclosures relative to the subject. In regard thereto we advise that First Subsea Limited, Lancaster is considered approved to produce accessories to the requirements of *ABS Guide for Certification of Offshore Mooring Chain (2009)* as outlined below, provided the ABS Rules are adhered to in all respects and all production and inspection are to the satisfaction of the local ABS Surveyor.

**Product : Subsea Mooring Connectors
Material Categories : AISI 4330V
Maximum Diameter : 510mm
Forging Supplier : Somers Forge Ltd., UK***
**Ingots supplied by Sheffield Forgemasters, UK*

Production of forgings is to be carried out in accordance with the ABS Guide for the Certification of Offshore Mooring Chain and the ABS Materials Rules as applicable. Weld repair of mooring accessories is not permitted.

The approval is valid for five years from the date of the survey. ABS Houston Materials are hereby requested to issue the approval certificate and update the ABS website listing indicating the above details. Renewal of approval is to be sought by the subject facility prior to the five-year expiry date. It is the responsibility of the facility to inform ABS of any changes in manufacturing parameters. Please find enclosed our invoice to cover the costs of the technical review.

Verv trulv yours

Satya Meruva
Senior Materials Engineer
London Offshore Engineering Department

CC: ABS Birmingham, Newcastle
EC: ABS Houston Materials Dept