



Energy - Upstream Design Appraisal Document

Lloyd's Register EMEA
Compliance Operations - Aberdeen Engineering Group
Denburn House
25 Union Terrace
Aberdeen, AB10 1NN
Phone +44(0) 1224 267400: Fax: +44(0) 1224 267751

Date
10 February 2016

Quote this reference on all future communications
CESD/1690801/JZ/O-33615

CLIENT: DE HAAN SPECIAL EQUIPMENT B.V.
PROJECT: OPEN SPELTER SOCKET NR. 144
SUBJECT: STRUCTURAL VERIFICATION OF OPEN SPELTER SOCKET

1. The documents listed in Appendix A have been examined for compliance with the Lloyd's Register Code for Lifting Appliances in a Marine Environment (CLAME November 2015), Chapter 8 and have been assigned the status as indicated.
2. Design parameters

Minimum Breaking Load (MBL).....	1400 tonne
Self-weight	389.2 kg
Minimum design temperature.....	-10°C
3. Points for Information
 - 3.1. This appraisal is limited to the structural aspects of the new open spelter socket only.
 - 3.2. The fatigue investigation is out of scope of present design appraisal.
 - 3.3. The spelter is to be surveyed, marked and tested in accordance with the appropriate requirements of Chapter 12 of the Code. The rope, socket and resin connection is to be tested in accordance to BS EN 12385-1:2002+A1:2008 Point 6.4.1 to the Surveyor's satisfaction.
 - 3.4. All material and workmanship, including, NDE, are to be to the Surveyor's satisfaction.

In preparing this report, the undersigned surveyor is acting as an independent person in accordance with the applicable policy on conflict of interest

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



JAROSLAW ZOK
Senior Engineer (LAMH)
Compliance Operations
Aberdeen Engineering Group



MARIUSZ NIEDZIOLKO
Lead Engineer (LAMH)
Compliance Operations
Aberdeen Engineering Group

Appraisal Status Key

A	Approved/Accepted
RI	Retained as supporting documentation for information only

