



Project: LARS-028H

Client: Hydramec Offshore Hydraulic Systems Limited
Bessemer Way
Harfreys Industrial Estate
Great Yarmouth
Norfolk NR31 0LX

Office: Lowestoft

Client's Order Number: 6184

Date: 27 August 2013

Order Status: Complete

Inspection Dates

First: 16 April 2013

Final: 27 August 2013

This certificate is issued to Hydramec Offshore Hydraulic Systems Limited to certify that the undersigned Surveyor's to Lloyd's Register, did, at their request, attend their works and the works of Cap Fabrications Ltd, Great Yarmouth for the purpose of examining during manufacture and testing the following equipment:-

Description ROV Deployment System (Suitable for Zone 2 Hazardous Area Operation, ATEX Group II Cat 3 G)
System comprises an A-frame and steel base supporting an electro-hydraulic winch unit and umbilical reel. Base dimensions 6,056 mm x 2,440 mm.

Drawing No. HH - 97 (Based on previous case HH - 51)

S.W.L. Maximum line pull on bare winch drum 4,500 Kg

The structural aspects of the system have been reviewed and are confirmed as complying with Lloyd's Register Code for Lifting Appliances in a Marine Environment, Ch. 3 Sec. 3, and the design requirements of BS EN 12079: 1999 Offshore Containers, DAD Number CESD/0890462/MST/0-13801, dated 30 June 2009 refers.

Scope of Inspection

- (1) Construction in accordance with BS EN 12079:1999.
- (2) Witness tack up of skid frame and lifting frame.
- (3) Witness load test of skid, A-frame, winch and lift frame unit.
- (4) Visual examination of electrical installation.
- (5) Review of final documentation, including ATEX certification.

Test Conditions – Launch and Recovery Equipment

- Winch SWL 4,500 Kg. Proof load test 5,625 Kg. Brake test 6,750 Kg.
- A-frame SWL 4,500 Kg. Proof load test 5,625 Kg.

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Test Conditions – Lifting Arrangements to BS EN 12079

TARE 3,000 Kg Gross 22,000 Kg SWL 19,000 Kg.

Proof load tests:

- 4 point production test lift (2.5 x Gross weight) = 55,000 Kg.

Operating Conditions - Fixed Offshore Platforms

Free standing – Maximum sea state 6 (six) only to a maximum depth of 300 metres.

Welded down – Maximum sea state 7 (seven).

Operating Conditions - Ships

Welded to deck for all operating conditions - Maximum sea state 7 (seven).

Minimum operating temperature: minus 20°C

Refer to operator's handbook for precise operating parameters.

The above equipment is considered suitable for use offshore subject to the approval of the duty holder.



For A.C. Mather and W. Fickling
Surveyors to Lloyd's Register EMEA

A member of the Lloyd's Register Group