

HUMBERSIDE LIFTING SERVICES LTD

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a member of RoSPA
The Royal Society for the Prevention of Accidents

LIFTING AND SAFETY SERVICES

DECLARATION OF CONFORMITY

Customer **BLAKLEY ELECTRICS LTD**
MARSH LANE
WARE
HERTFORDSHIRE
SG12 9QQ

Certificate No:- **61313**
Customer No :- **BLAKL001**
Order No :- **44817**
Job No :- **9007349**

(i) Distinguishing No. or Mark **61313**

(ii) Description of item. This should include size, material and particulars of any heat treatment. **Inspected & Tested**
ELECTRICAL COMPONENT CONTAINER BOX

(iii) Number tested and examined **1**

(iv) Date of test and examination **18/04/08**

(v) Proof load applied **-**

(vi) Working Load Limit (WLL) **48000KG**

(2) Name and address of maker, supplier or repairer.

Humberside Lifting Services Ltd
Unit 3, Ealand Ind. Est.,
Ealand, Scunthorpe,
North Lincolnshire, U.K.
DN17 4JW

(5) I certify on behalf of the Humberside Lifting Services Ltd that the items described herein were tested and examined and were found to be free from cracks, flaws or other defects.

(3) Name and address of company undertaking the test and examination

APPOINTED TESTER

(6) I hereby declare that the above information is correct and that the equipment has been manufactured and thoroughly examined in accordance with the appropriate provisions and is found free from any defect likely to affect safety

(4) Name, position and qualification of person who carried out the test and examination.

(7) I hereby declare that the above machinery complies with the relevant essential health and safety requirements of the Machinery Directive 98/37/EEC.

Signed 

Date: **29/04/08**



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LIFTING AND SAFETY SERVICES

Destruction Test Report

Customer Details

Customer: Blakley Electrics

Order No: 44817

Humberside Lifting Services Job Number: 9007349

Test Details

Destruction Test Item: Galvanised Steel Ground Mounted Distribution Assembly Box

Calibrated Test Instrument: 500kn Hydraulic Test Bed Serial No. 166

Test Rig Number: 9006505A

Test Date: 18th April 2008

Test Procedure



The galvanised steel ground mounted distribution assembly box was placed into a steel testing frame jig, which was purposely manufactured with a steel base for the Electrical Housing Box to be situated on. Four raised angle supports were positioned to support the corners of the Electrical Housing Box with a steel angle band supporting the top rim.

The testing frame was then fixed into a 500kN horizontal test bed by attaching four round slings to a fixed test anchor (see pictures above).

A centre hole was drilled into the lid of the Assembly Box and a pulling eye was inserted through the middle, with a 200 x 250 pressure plate and nut inserted on top of the lid and the pulling eye attached to the Hydraulic Pulling Ram.



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Registered CPA UUDB Achilles No. 78795 on Defence Contractors List. Company Reg No 1344780 Directors K. Muir J. Muir



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Test Results

As previous testing on Galvanised Steel Ground Mounted Distribution Assembly Boxes had resulted in no deflection at 100kN (10,000kgs) the first reading was taken at this point.

Test Point Force (kN)	Deflection on Lid Opening Side (mm)	Fixed Side (mm)
100	Visually Passed	Visually Passed
220	Visually Passed	Visually Passed
320	Visually Passed	Visually Passed
420	Visually Passed	Visually Passed
480	Visually Passed	Visually Passed

Inspection of the Galvanised Steel Ground Mounted Distribution Assembly Box showed that very little distortion was present during testing.

When a final inspection was carried out after the item had been removed from the test bed, there was slight evidence that it had felt the strain from 480kN being applied, however, the engineer testing the item was happy that it had passed.

Overall when the item was tested up to 480kN there was very little visual evidence that its structural integrity had been compromised and unlike the previous test, the lid was able to open and close freely.

Therefore, from the results gathered during this test we would recommend that the Galvanised Steel Ground Mounted Distribution Assembly Box is rated with a maximum working category of 480kN

Engineers' Signature M Proctor

Printed M Proctor



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