



CERTIFICATE NUMBER CH1037071-X  
PLANT LOCATION Casey, Illinois  
ABS OFFICE Chicago

# CERTIFICATE OF Manufacturing Assessment

This is to Certify that a representative of this Bureau did, at the request of  
**Charles Industries Ltd.**

Attend their facilities at the location noted above, in order to carry out an audit of their facilities and associated quality assurance and quality control procedures. The facility is considered capable of consistently manufacturing;

## Battery Chargers

in compliance with their ABS Product Design Assessment Certificates and the designated standards defined therein. The product listed on their current Product Design Assessment Certificates are eligible to be placed on this Bureau's *List of Type Approved Products*, subject to annual facility audits by a representative of this Bureau, and renewal of this Certificate after five (5) years.

ISSUE DATE 6-Aug-08

EXPIRATION DATE 5-Aug-13

SURVEYOR'S SIGNATURE

  
P. Beatrice



FIRST ANNUAL ENDORSEMENT

Date:

SECOND ANNUAL ENDORSEMENT

Date:

THIRD ANNUAL ENDORSEMENT

Date:

FOURTH ANNUAL ENDORSEMENT

Date:

AB257 (03-04)

**Note:** This certificate evidences compliance with one or more of the Rules, Guides, standards, or other criteria of American Bureau of Shipping; or a statutory, industrial, or manufacturer's standard, and is issued solely for the use of the Bureau, its committees, its clients, or other authorized entities. This certificate is governed by the terms and conditions on the reverse side hereof.



CERTIFICATE NUMBER

08-HS340668/1-PDA

DATE

29 May 2008

ABS TECHNICAL OFFICE

Houston SED - Ship Equipment

# CERTIFICATE OF Design Assessment

This is to Certify that a representative of this Bureau did, at the request of  
**CHARLES INDUSTRIES, LTD**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate. It will remain valid as noted below or until the Rules or specifications used in the assessment are revised (whichever occurs first).

PRODUCT: Battery Charger

MODEL: HQ Series Charger Line up

ABS RULE: 2008 Steel Vessels Rules 1-1-4/7.7, 4-8-3/5.1,5.3 & 5.9; 2008 MODU Rules: 4-3-4/7.1, 7.9 & 7.19

OTHER STANDARD: UL File ME200 Issued date 18 June 1996;

AMERICAN BUREAU OF SHIPPING

Hans P. Haendler

Engineering Type Approval Co-ordinator