FOUNDED 1862

CERTIFICATE NUMBER	DATE
08-LD364095-2-PDA	31 July 2013

ABS TECHNICAL OFFICE

Gdynia Engineering Department

CERTIFICATE OF DESIGN ASSESSMENT

This is to Certify that a representative of this Bureau did, at the request of

VICTOR MARINE LTD. - WEST THURROCK

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.

PRODUCT: **Tank Washing Machine**

MODEL: **VP Major Mk1, VP Minor Mk3**

This Product Design Assessment (PDA) Certificate 08-LD364095-2-PDA, dated 31/Jul/2013 remains valid until 30/Jul/2018 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Jaroslaw Kondracki
Engineer

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned manufacturing process without approval from ABS will result in this certificate becoming null and void. This certificate is governed by the terms and conditions as contained in ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010).

VICTOR MARINE LTD.
EUROCOURT
COSGROVE ROAD
WEST THURROCK
ESSEX RM20 3EE
United Kingdom
Telephone: +44 (0)1708 899780
Fax: +44 (0)1708 890599
Email: info@victormarine.com, achan@victormarine.com
Web: www.victormarine.com

MA Certificate No.: 13-LD2308418X

PRODUCT:
Tank Washing Machine

MODEL:
VP Major Mk1, VP Minor Mk3

Intended Service:
Tank washing machine for chemical carriers, crude oil tankers and industrial applications.

Description:
Non Programmable, Multi Nozzle tank washing machine, fixed flanged and portable, available in both 316 Stainless Steel and Bronze.

Ratings:
See attached additional product details.

Service Restriction:
Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:
Not Applicable

Notes / Drawings / Documentation:
Installation, Operating and Maintenance Manual for Tank Washing Machnie VP Major - Mk 1
Installation, Operating and Maintenance Manual for Tank Washing Machnie VP Minor - Mk 3

Term of Validity:
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STANDARDS

VICTOR MARINE LTD.

ABS Rules:

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
ABS Rules for Conditions of Classification (2013) 1-1-4/7.7
ABS Rules for Building and Classing Steel Vessels (2013) 5C-1-7/3.3.4(e)

National:

NA

International:

MARPOL 73/78 Annex 1 Regulations 33 & 35
IMO Resolution A.446(XI) as amended by Resolutions A. 497(XII) and A. 897(21).

Government Authority:

NA

EUMED:

NA

Others:

NA