



CERTIFICATE NUMBER	18-LD1752530-PDA
EFFECTIVE DATE	29-Jun-2018
EXPIRY DATE	28-Jun-2023
ABS TECHNICAL OFFICE	London Engineering Department

CERTIFICATE OF Product Design Assessment

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

VICTOR MARINE LTD.

located at

**UNIT 7, WATERLOO COURT, MARKHAM VALE, CHESTERFIELD,
United Kingdom, S44 5HN**

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 18-LD1752530-PDA, dated 29/Jun/2018 remains valid until 28/Jun/2023 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


Mohammed K.M. Abbas, Engineer/Consultant

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 product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

VICTOR MARINE LTD.

UNIT 7, WATERLOO COURT

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MARKHAM LANE

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Email: syeadon@victormarine.com

Web: www.victormarine.com

Tier: 3 - Type Approved, unit certification not required

Product: Tank Washing Machine**Model:** VP Major Mk1, VP Minor Mk3**Intended Service:**

Tank washing machine for chemical carriers, crude oil tankers and offshore installations.

Description:

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

Rating:

Nozzle diameters, flow and effective jet length of the tank washing machines as indicated in the attachment.

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:

- 1) The number, location and installation of the tank cleaning machines as well as shadow diagrams, as per 4.2 of the Annex to IMO Resolution A.446 (XI), as amended by Resolutions A.497(XII) and A.897(21) and Appendix VI of Annex II to MARPOL 73/78 as amended, are subject to a specific approval for each application.
- 2) Tank washing machines should be installed in accordance with the manufacturers instructions.
- 3) The product or packing is to be marked with name of manufacturer, type designation, serial number.
- 4) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

- 1) Department of Transport Marine Directorate Certificate of Inspection and Tests- Certificate Number SUR 222 dated 19 March 1993 and 20 October 1987.
- 2) Installation, Operating and Maintenance Manual for Tank Washing Machine VP Major - Mk 1- Bronze
- 3) Installation, Operating and Maintenance Manual for Tank Washing Machine VP Major - Mk 1- Stainless Steel
- 4) Installation, Operating and Maintenance Manual for Tank Washing Machine VP Minor - Mk 3- Bronze
- 5) Installation, Operating and Maintenance Manual for Tank Washing Machine VP Minor - Mk 3- Stainless Steel

Terms of Validity:

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STANDARDS

ABS Rules:

- 1) 2018 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, 5C-1-7/3.3.4(e)
- 2) 2018 Mobile Offshore Drilling Units Rules, 1-1-4/9.7, 1-1-A2, 1-1-A3

National:

NA

International:

- 1) MARPOL 73/78 (Consolidated Edition 2017) Annex I Regulations 18.7, 33, 35
- 2) IMO Resolution A.446(XI) (adopted on 5 November 1979), as amended by Resolution A.497(XII) (adopted 19 November 1981) and A.897(21) (adopted 25 November 1999)

Government:

NA

EUMED:

NA

OTHERS:

NA