



Confirmation of Product Type Approval 24/SEP/2012

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

This is to certify that, pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 16/JUN/2016. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And; a Product Design Assessment (PDA) valid until 01/JUL/2017 subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

VICTAULIC COMPANY

Model Name(s): Style 99 (Roust-A-Bout Coupling)

Presented to:

VICTAULIC COMPANY
4901 KESSLERSVILLE ROAD
EASTON
United States

Intended Service:

Marine & Offshore Applications: (1) Fresh Water Systems-in accessible Locations only. (2) Sea Water Cooling Systems-in accessible Locations only and Inboard of the required Shell Valves. (3) Bilge Systems-in accessible locations only and not in Cargo Holds or Deep Tanks. (4) Ballast Systems-in accessible locations only or when the Pipelines pass through other Ballast Tanks. (5) Firemains, Waterspray, sprinkler, in accessible locations (6) Compressed Air Systems-in accessible locations only. (7) Sanitary Systems-in accessible locations only and in Board of the required Shell Valves. (8) Potable Water Systems-in accessible locations only. (9) Vents, Overflows and Sounding Pipes of Tanks to Services listed above-in accessible locations provided they are not located in such a position that subsequent leakage would create Hazards by way of Fire, Damage to Electrical Systems or Cargo and by Release of Noxious or Toxic Vapors in Enclosed Spaces.

Description:

Style 99-Plain End Coupling

Ratings:

Sizes 1-1/2 " to 8 " , Pressure Rating = 232 psi (16 bar); Sizes 10"- 12" , Pressure Rating = 200 psi (14bar);

Service Restrictions:

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. (1) The couplings are to be used on plain end carbon steel pipe of standard thickness or thicker pipe only. (2) The components are to be installed in a location where leakage would not create a hazard by way of damage to electrical systems or otherwise create a hazard to the vessel, equipment or personnel onboard. (3) Couplings are to be used in applications not exceeding the

temperature limitations of the gasket material as specified by the manufacturer. (4) All couplings are to be installed in accordance with the guidelines and limitations of the Manufacturer as well as those specified in 4-6-2/5.5 and 4-6-2/3 of the Rules. (5) The components and gaskets are to be installed in accordance with the manufacturer's recommendation / limitations / requirements. (6) Above pressure ratings are based upon castings made of ASTM A 536, Grade 65-45-12 material (7) Style 99 couplings are not to be used in systems where pressure pulsation is expected in accordance with 4-6-2 / Table 12 Note 1.

Comments: The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. Duplicate PDA resides with Victaulic Co.- Alburtis.

Notes / Documentation: Supporting Data: * See attached "pdf" Drawing List dated 26 June 2012, Task 914102; * Test Matrix- Victaulic-Coupling dated 09-01-10 (Revised 06/08/2012), 5 Shts;

Term of Validity: This Product Design Assessment (PDA) Certificate 05-HS492581B-2-PDA, dated 02/Jul/2012 remains valid until 01/Jul/2017 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.

ABS Rules: 2012 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3, 4-6-2/5.9, 4-6-2/5.5, 3

National Standards:
International Standards:
Government Authority:
EUMED:
Others: None

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	05-HS492581B-2-PDA	02/JUL/2012	01/JUL/2017



ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.