



Confirmation of Product Type Approval 18/JAN/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 09/JAN/2017. 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 14/NOV/2016 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.

EZY-FIT MARINE PTY LTD

Model Name(s): 20104801, 20104954, 44245069, and 32226058

Presented to:

EZY-FIT MARINE PTY LTD
10 CHEVIOT ROAD
SALISBURY
Australia

Intended Service: Marine and Offshore Applications

Description: Ride Stabiliser, Double Acting Hydraulic Actuator

Ratings: Model 20104801: Allowable Working Pressure: up to 250 Bar, 2-1/2" bore x 1-1/4" rod x 160mm stroke; Model 20104954: Allowable Working Pressure: up to 250 Bar, 2-1/2" bore x 1-1/4" rod x 160mm stroke; Model 44245069: Allowable Working Pressure: up to 207 Bar, 5-1/2" bore x 3" rod x 275mm stroke; Model 32226058: Allowable Working Pressure: up to 210 Bar, 4" bore x 2 3/4" rod x 250mm stroke; Design Temperatures: -12.22 °C to 40.56 °C

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. Each individual unit is to be hydrostatically tested to 1.5 times the maximum allowable working pressure by the manufacturer and a test certificate is to be submitted in accordance with 4-6-7/3.5.5 of the Rules.

Comments: Duplicate PDA resides with Ezy- Fit Hydraulics - SALISBURY.

Notes / Documentation: Identifying Data: Drawing No. 11445069 Rev. C Barrel (2 shts); Drawing No. 12245069 Rev. B Piston Rod; Drawing No. 13442404 Rev. C Gland (3 shts); Drawing No. 14442008 Rev. B Piston Half; Drawing No. 14442009 Rev. B Piston Half; Drawing No. 14201011 Rev. A Piston; Drawing No. 21440034 Rev. C Endcap (3 shts); Drawing No. 26255069 Rev. B (2 shts); Drawing No. 29001339 Rev. A Locking Tab; Drawing No. 29001330 Rev. B Cover Weld; Drawing No. 31080029 Rev. A Port-1/2" BSPP; Drawing No. 43245069 Rev. C Cushion Sleeve (2 shts);

Drawing No. 44245059 Rev. C Assembly; Drawing No. 44245059 Rev. C Outline; Drawing No. 45204001 Rev. B Nut; Drawing No. 49001231 Rev. 0 Magnet Spacer; Drawing No. 4001264 Rev. B Lock Nut; Drawing No. 49001265 Rev. B Needle; Drawing No. 49001266 Rev. C Lock Nut; Drawing No. 49001284 Rev. 0 ID Plate; Drawing No. 49001234 Rev. D Barrel-Cover; Drawing No. 49001235 Rev. A FLange; Drawing No. 49001239 Rev. 0 Bolt; Drawing No. EF5069SK Rev. 0 Seal Kit; Drawing No. 44245069 Rev. B Component List.

Term of Validity:

This Product Design Assessment (PDA) Certificate 11-HS798178-PDA, dated 15/Nov/2011 remains valid until 14/Nov/2016 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:

2011 Steel Vessels Rules 1-1-4/7.7, 1-1-Appendix 3, 4-6-7/3.5.5 2007 High Speed Naval Craft Guide 1-1-4/11.9, 1-1-Appendix 1, 4-6-6/3.5.5

- National Standards:**
- International Standards:**
- Government Authority:**
- EUMED:**
- Others:**

None

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	11-HS798178-PDA	15/NOV/2011	14/NOV/2016



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.