



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

23-2462954-PDA
28-Nov-2023
27-Nov-2028
Houston ESD - Piping

CERTIFICATE OF Product Design Assessment

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

SEETRU LTD.

located at

**ALBION DOCKSIDE WORKS, HANOVER PLACE, , BRISTOL, United
Kingdom, BS1 6UT**

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 Level, Magnetic Liquid Level Indicator
Model: G35 Seemag
Endorsements:
Tier: 3 - Type Approved, unit certification not required

This Product Design Assessment (PDA) Certificate remains valid until 27/Nov/2028 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping


John Vincent Bog-Acon Ulep, Senior Principal 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 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)

SEETRU LTD.

ALBION DOCKSIDE WORKS

HANOVER PLACE

BRISTOL

United Kingdom BS1 6UT

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Web: www.seetru.com

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Product: Tank Level, Magnetic Liquid Level Indicator**Model:** G35 Seemag**Endorsements:****Intended Service:**

Tanks containing lubricating and flammable fluids.

Maximum Liquid Temperature 180 degrees C.

Description:

Magnetic liquid level indicator with three different types of collars (cast, fabricated & pulled collar tube joint), incorporating the following accessories:

- Pressure transmitter Danfoss Type MBS33M
- Trace heating with thermostat
- Digital panel meter
- Level transducer Type HLT-200 (not suitable for hazardous areas)
- Stainless steel SUS316 float

Rating:

Specify Gravity: 0.7 - 1.2

Maximum Working Pressure: 18 bar g

Maximum Liquid Temperature: 180 degrees C

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 Manufacturer has provided a declaration about the control of, or lack of Asbestos in this product.
- 2) Where the level indicator is provided for determining the level in a tank containing flammable or combustible liquid, Isolation valves to be provided at top and bottom connections in accordance with manufacturer's recommendations.
- 3) Where trace heating is required, Controller Box (Thermostat) (P/N ETS-05, Manufactured by PENTAIR THERMAL MANAGEMENT) and Trace Heating Cable (P/N ELSR-n Ex, Manufactured by ELTHERM) shown on Dwg. No. G353218-3 (Issue 6) is suitable for use in hazardous areas.

Notes/Drawing/Documentation:

Drawing No. No Design Change, Revision: 1, Pages: 1

Drawing No. Correspondence, PDA revalidation - 18-YO1790622-PDA, Revision: -, Pages: 1

Terms of Validity:

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STANDARDS**ABS Rules:**

2023 Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3,1-1-A4, which covers the following:
2023 Rules for Building and Classing Marine Vessels: 4-6-4/11.5 and 4-6-4/11.7

2023 Rules for Conditions of Classification, Offshore Units and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2023 Rules for Building and Classing Mobile Offshore Units: 4-2-3/3.5 and 4-2-3/3.7

National:

NA

International:

Regulation II-2/4.2.2.3.5.2 and 4.2.3 of SOLAS (Consolidated Edition 2020), as amended.

Government:

NA

EUMED:

NA

OTHERS:

NA