Certificate Number: 11-HS753525D-PDA

Confirmation of Product Type Approval 10/MAY/2011

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 15/SEP/2014. 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 02/MAY/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.

KAHLENBERG INDUSTRIES, INC.
Model Name(s): S-330

Presented to:
KAHLENBERG INDUSTRIES, INC.
1700 12TH STREET
P.O. BOX 358
TWO RIVERS
United States

Intended Service:	Marine & Offshore Application - For use Onboard Marine Vessels of all types 20 (65 ft) to 75 Meters (246 ft) in Length
Description:	Air Operated Sound Signaling Device
Ratings:	Frequency: 330 Hz; Sound Pressure Level (1/3 octave @ 1 Meter): 131.4 dB; Sound Pressure Level (dB(A) @ 1 Meter):136.0 dB; Air Consumption: 9 C.F.M.@ 100 PSI; Air Pressure Req: 50 to 200 PSI; Electric Power: N/A Material: Spun Brass & Cast Bronze;
Service Restrictions:	For vessels of types 20 (65 ft) to 75 Meters (246 ft) in Length. 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:	Satisfies the International Regulations for Preventing Collisions at Sea, 1972, Rules 32, including Annex III paragraphs a through d
Notes / Documentation:	Identifying Data: Dwg No. 3-6645, Rev.- Sound Signal Test & Chart dated 4-4-11,
Term of Validity:	This Product Design Assessment (PDA) Certificate 11-HS753525D-PDA, dated 03/May/2011 remains valid until 02/May/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

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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-A3, 4-8-3/Table 1B;

National Standards:

International Standards: International Regulations for Preventing Collisions at Sea, 1972, (Consolidated 2002)

Government Authority: UK Maritime and Coastguard Agency (MCA).

EUMED:

Others:

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	11-HS753525D-PDA	03/MAY/2011	02/MAY/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.

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