

**EC TYPE EXAMINATION (MODULE B) CERTIFICATE**No. **02-001995/023752****THIS IS TO CERTIFY:**

That Croatian Register of Shipping did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with requirements of Marine Equipment Directive (MED) 96/98/EC as last amended by directive 2013/52/EU, subject to any conditions in the schedule attached hereto.

TYPE AND DESCRIPTION OF PRODUCT

Shipboard incinerator type SH-20SR, SH-20SR-P, SH-20SM and SH-20SM-P

ANNEX A.1 NO AND ITEM DESIGNATION

A.1/2.7 – Shipboard incinerators

MANUFACTURER:

3. MAJ TIBO d.d.
Dalmatinskih brigada 17, 51211 Matulji
CROATIA

REGULATIONS AND STANDARDS (in accordance with Annex A.1, Directive)

MARPOL, Annex VI, Regulation 16
IMO Resolution MEPC. 244(66)

NOTICE:

1. Further details of the product and conditions for certification are given overleaf.
2. This certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.
3. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply.
4. The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.
5. In case limitations of use apply, these should be indicated of in the Schedule of Approval.

Issued by Croatian Register of Shipping, notified body number 2489.

This certificate is valid until: **2019-05-20**

Place and date: **Split, 2015-05-20**

Seal

Signature

Marinko Popović, dipl.ing.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Equipment for incineration of shipboard generated garbage and sludge oil.

2. APPLICATION/LIMITATION OF USE

Maximum capacity: 517 kW, corresponding to 50 kg/h of sludge oil or 40 kg/h of solid waste.

3. DESIGN DRAWINGS AND SPECIFICATIONS

SH20-SR arrangement, drawing No. K-3127-00, Rev.0

SH20-SM arrangement, drawing No. D-3129-00, Rev.3

Wiring diagram, drawing No. 3-379

4. TYPE TEST RECORDS/LABORATORY RECOGNITION STATUS

Test report No. 017/09 (Technical faculty Rijeka) in accordance with IMO Resolution MEPC.76(40).

5. MATERIALS OR COMPONENTS REQUIRED TO BE TYPE APPROVED OR TYPE TESTED

Flexible hoses to burners are to be protected with external wire braid.

6. OTHER MATERIALS AND/OR COMPONENT

Incinerator fuel oil service system, electrical connection diagram and alarm and monitoring system are to be detailed on the specific ship plans which are to be submitted to CRS for approval.

7. PRODUCTION SURVEY REQUIREMENTS

The manufacturer is allowed to affix the Mark of Conformity to equipment referred and to issue a Declaration of Conformity as long as either of the following is fulfilled:

Module D: The quality system for production and testing shall be approved by the Notified Body, or

Module E: The quality system for inspection and testing shall be approved by the Notified Body, or

Module F: Compliance of the products in this EC Type-Examination Certificate is to be verified by the Notified Body, who shall also issue a Certificate of Conformity.

8. ONBOARD INSTALLATION AND MAINTENANCE REQUIREMENTS

As per requirements of regulations and standards stated on front page of the certificate and in accordance with Installation, operation and maintenance manual.

9. MARKING AND IDENTIFICATION



2489/yy

Subject to compliance with the conditions in this Schedule of Approval which forms part of certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

(yy = last two digits of year mark affixed)

Incinerators are to be marked with manufacturer name, type designation, serial number and Mark of conformity.

10. OTHERS

This approval is given with the understanding that the manufacturer will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of fitting and general maintenance of the approved equipment and of the conditions of this approval.

- END OF CERTIFICATE -