

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Spark Arrestor**with type designation(s)
Silentor Sp

Issued to

SILENTOR A/S
Frederikshavn, Denmark

is found to comply with

DNV GL rules for classification – Ships**DNVGL-OS-D101 – Marine and machinery systems and equipment, Edition July 2015****Application :****Products approved by this certificate are accepted for installation on all vessels classed by DNV GL and Mobile Offshore Units classified by DNV GL, where spark arresters are required.**Issued at **Høvik** on **2017-06-14**This Certificate is valid until **2022-06-13**.for **DNV GL**DNV GL local station: **Aalborg**Approval Engineer: **Amir Dzaferi**

Oddvar Deinboll
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.



Job Id: **262.1-000993-6**
Certificate No: **TAM00000JV**

Product description

Exhaust gas silencer with integrated spark arrester.

Application/Limitation

SILENTOR silencer with integrated spark arrester designed according to SILENTOR design principles are approved for use in exhaust gas piping.

Products approved by this certificate are accepted for installation on all vessels classed by DNV GL and Mobile Offshore Units classified by DNV GL, where spark arresters are required.

Tests carried out

Tests carried out according to BS 6680: 1995 at SMP Svensk Maskinprovning AB, Test Report PU 7760/98/2 dated 98-10-02 (Silentor Klasse 35/45 3" with spark arrester) and Test Report PU66462/04 dated 04-05-27 (Silentor 3" Classic CC). Testing equivalent to tests required in EN-1834-1.

Marking of product

The product to be marked with the manufacturer's name or trademark and type number identification.

Periodical assessment

For retention of the Type Approval, a DNV GL surveyor shall perform an assessment after 2 years and after 3.5 years to verify that the conditions of the type approval are complied with. A renewal assessment will be performed at renewal of the certificate.

In cases where the Type Approved product is manufactured at other companies, the Periodical Assessment shall verify that the Type Approval applicant has a quality control system for consistent production at their licensees/subcontractors. Furthermore, Periodical Assessment shall be carried out randomly at these companies.

Other conditions

The silencers with spark arrester have been approved with respect to the spark arresting capability only and not as silencer.

DNV GL product certificate is not required

END OF CERTIFICATE