Certificate no.:
TAP00002TV

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Compensator, Bellows of Rubber Material

with type designation(s)
Marine exhaust hose

issued to
REKA RUBBER Polska Sp.z o.o.
Dopiewo, **Poland**

is found to comply with
SAE J2006 - Marine Exhaust Hose

Application:

See page 2

Temperature range:	**-40°C to +150°C**
Max. working press.:	**0.15 MPa**
Sizes:	**DN200 (ID 203mm)**

Issued at **Høvik** on **2024-03-14**
This Certificate is valid until **2029-03-13**.
DNV local unit: **Gdansk CMC**

for **DNV**

Approval Engineer: **Andreas Hansen**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

Product description

Flexible rubber compensator for use in marine engine wet exhaust systems, where exhaust gases are mixed with the discharge of cooling water, designed and tested in accordance with the principles given in SAE J2006 (Style R3).

Materials:

Inner liner	:	Smooth black silicone rubber
Reinforcement	:	Textile fiber mesh
Outer cover	:	Matte red silicone rubber

Application/Limitation

The compensator is approved for use as exhaust gas hoses for combustion engines.

The exhaust gas shall be water cooled.

The compensator is not permitted used in systems where pressure pulsations may occur.

Scope of approval does not cover end fittings. Materials chosen for the specific system shall be suitable for the intended medium and environmental conditions.

The location of the rubber compensator in the piping system shall be approved in each separate case. For use on DNV classed vessels, the compensators shall adhere to requirements stated in DNV-RU-SHIP Pt.4 Ch.3.

Type Approval documentation

Tests carried out

Burst test, resistance against liquids, tensile strength and elongation test, adhesion test, ozone resistance test, abrasion test, high temperature test, and fire resistance test.

Production testing

Production tests shall be performed according to ISO 13363 Annex C, for every tenth batch of hose produced.

Marking of product

Minimum marking requirements shall be as outlined in the product standard SAE J2006 [10].

Periodical assessment

This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in https://approvalfinder.dnv.com