



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. **P-14661**

This is to certify that the
Continious drip fuel sampler

with type designation(s)
FS5051

Issued to
Fuelsampler.com ApS
Espergærde, Denmark

is found to comply with
Det Norske Veritas' Rules for Classification of Ships

Application
The sampler shall take continious samples in accordance with MARPOL 73/78 annex 18 and MPEC 96(47)

This Certificate is valid until **2017-06-30**.

Issued at **Høvik** on **2013-12-03**

DNV local station: **Copenhagen**

Approval Engineer: **Heidi Kristine Toft**

for **Det Norske Veritas AS**

Dag Sæle-Nilsen
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.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

Product description

Pneumatic driven continuous drip fuel sampler. The sampler is time dependant and/or flow dependant.

Connection is made via a pipe fitting or flange.

Materials:

Box and pipe: Stainless steel A316

Sampling volume: 1 to 10 litres

Bunker time: Up to 16 hours

Dimensions of sampler box: 270x235x205 mm

Application/Limitation

The sampler is working in piping class 1, P > 16 bar for fuel pressure on the bunker side.

Working pressure air: 6 to 8 bar.

The sampler shall be installed and operated according to the manufacturer's procedures.

Type Approval documentation

Drawings: 13219.idw dated 27.05.08, MOF5051.00 dated 05.03.08

Manufacturer's test reports dated 01.07.08

Maker's installation, maintenance and operating manual

Instructional CD.

Tests carried out

Leakage- and functional test

Marking of product

For traceability to this type approval the products are at least to be marked with:

- Manufacturer's name or trademark.
- Type designation
- Serial number

Periodical assessment

For retention of the type approval, a DNV Surveyor shall perform a survey - before the expiry date of this certificate - to verify that the conditions for the type approval are complied with.