

Statement of Compliance

This is to confirm that the undernoted product has been tested in accordance with the relevant requirements of MEPC.259(68) in respect of washwater monitoring.

SIGRIST-PHOTOMETER AG

Company SIGRIST-PHOTOMETER AG
Hofurlistrasse 1
6373 Ennetbürgen
Switzerland

Product Description Scrubber Wash Water Monitoring System

Type ScrubberGuard

Range of

Application:

ScrubberGuard is intended for installation on-board vessels operating an exhaust gas cleaning system (EGCS).

ScrubberGuard is found to be in compliance with the requirements of Resolution MEPC.259(68) - 2015 Guidelines for exhaust gas cleaning adopted on 15. May 2015, Chapter 10 "Washwater"

ScrubberGuard meets the following requirements:

- Principle of detection for PAH_{PHE Eq} (MEPC.259(68), 10.1.3.3)
- Measurement range for PAH_{PHE Eq} (MEPC.259(68), 10.1.3.3)
- Turbidity influences on PAH_{PHE Eq} (MEPC.259(68), 10.2.3)
- Principle of detection for pH (MEPC.259(68), 10.2.2)
- Resolution for pH (MEPC.259(68), 10.2.2)
- Temperature compensation for pH (MEPC.259(68), 10.2.2)
- Principle of detection for Turbidity (MEPC.259(68), 10.2.5)

General requirements regarding the influence on measurements by vibration, voltage fluctuations, inclination (up to 20°), turbidity and UV absorption have been demonstrated under surveillance and to the satisfaction of DNVGL.

The effectiveness of the countermeasures to prevent incorrect readings due to air bubbles and the use of the alternative secondary turbidity standard have been demonstrated under surveillance and to the satisfaction of DNVGL.

Documents:

Test report:
"ScrubberGuard – Scrubber Wash Water Monitoring System – Test Report for Statement MEPC.259(68)"
Version 3.0, dated 2018-08-17

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Technical Data

ScrubberGuard			
Component	Type(s)	Sensor type	Range
PAH _{PHE Eq}	OilGuard 2 SG OilGuard 2 SG A	Fluorescence	0 -1000 µg/L
Turbidity	AquaScat 2 SG AquaScat 2 SG A	Scattered IR light	0 - 1000 FNU
pH	External sensor	pH potential combination electrode with NTC thermistor	0 - 14
Temperature			0 - 130°C

This is to Note

1. ScrubberGuard shall be installed, calibrated and operated in accordance with the ScrubberGuard operating manual.
2. The measurements as well as the alarm and fault signals can be transmitted to a higher-level control system.
3. The on-site calibration for turbidity can be done with the alternative secondary turbidity standard.
The calibration needs to be checked with formazin latest after measurement relevant parts of the "AquaScat 2 SG A" have been replaced.

Remark The compliance with relevant requirements of the GL Type Approval System has not been tested.


 Dr. Mirko Schlegelmilch


 Claus Kurok