

Technical information



Marine Diesel Protect Shooter

Problem description

Diesel fuels are complex mixtures of various flammable, liquid substances. They also contain a considerable portion of biodiesel. The water content in the tank, the predominant temperature and the good source are decisive for the growth or propagation of microorganisms. Under favorable

conditions bacteria can start to form in the fuel, subsequently providing the breeding ground for mold and yeast.

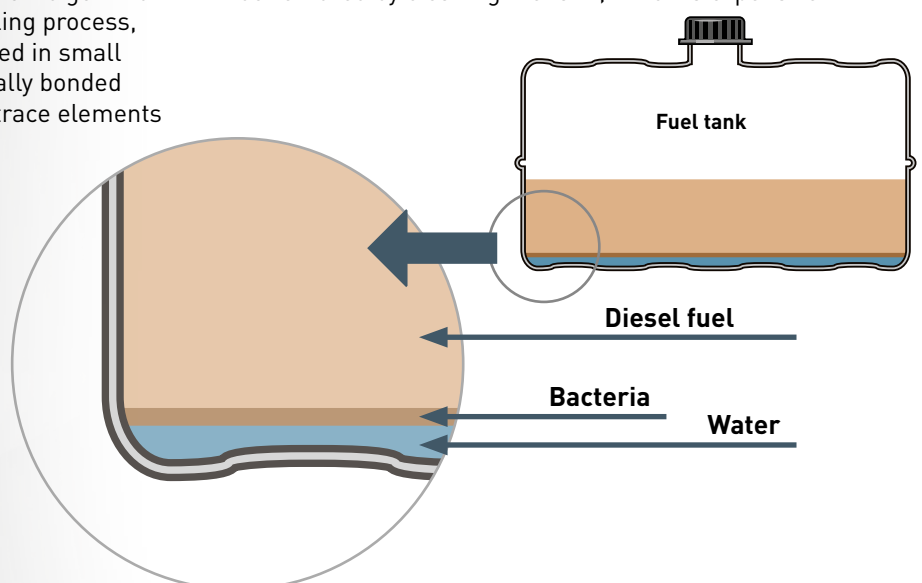
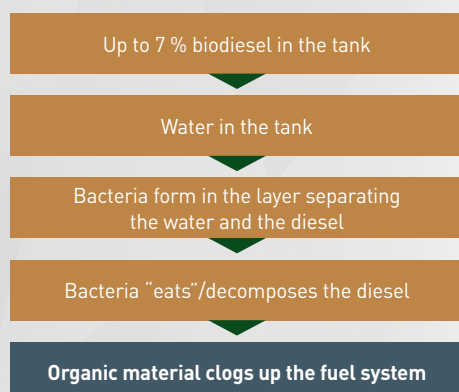


Diesel bug: small organisms, big problems

Consequences

This can lead to "diesel bugs" in the tank. The water required for the growth of bacteria, mold and yeast can get into the tank in a variety of ways. In the marine sector in particular, it is not uncommon for condensation water to form on the inside walls of the tank, for diesel to be already contaminated prior to filling or for water to get into the tank due to inattention during the refueling process, where it settles at the bottom or is distributed in small quantities in the fuel. Furthermore, chemically bonded elements such as sulfur, phosphorous and trace elements in the diesel are decisive for growth.

The "sediments" of the microbes are frequently corrosive and encourage rust to form in the tank. When these rust spots flake off, they can clog up the fuel system. In addition, the longer the service life of the engine, the more the microbes propagate. They form a slimy mass that can only be removed by cleaning the tank, which is expensive.



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Solution for prevention

Frequent expensive tank cleaning can be prevented by regular use of the right additives. To prevent microbes and corrosion in the tank, Marine Diesel Protect Shooter from LIQUI MOLY should be applied regularly. One can (200 ml) is optimally designed for one-off use in tanks with a volume of up to 200 l.

Problem-specific solution

Even if the tank system is already contaminated, the Marine Diesel Protect Shooter can provide a shock remedy. In this case one can (200 ml) is used for 40 l of fuel.

Use biocides safely. Always read the label and product information before use.

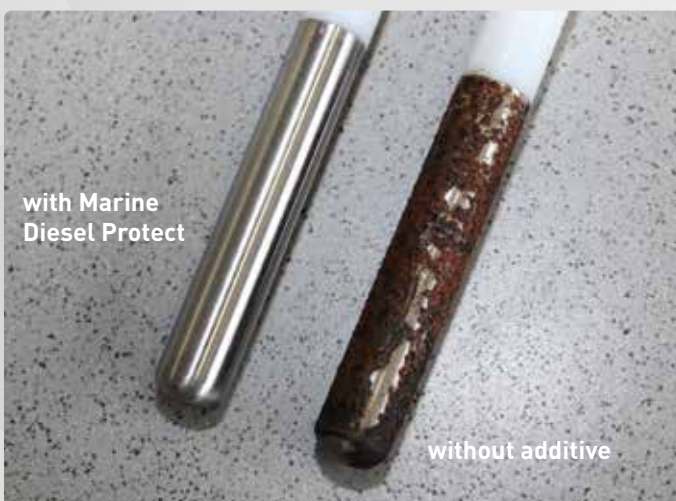
Characteristics

- highly effective (1:1,000)
- decontaminates infested tank systems
- actively prevents bacteria formation
- verified effectiveness according to ASTM E 1259-10
- no restriction on sales under the REACH Regulation
- cleans and maintains
- increases the cetane number for easier starting when recommissioning and maximum engine performance
- excellent aging protection



Part no. 25099⁹, 200 ml

Can also be freely sold to consumers, verified effectiveness according to ASTM E 1259-10



Steel finger test

A steel test body is immersed in a mixture of water and white spirit with no additives for a period of 24 hours in accordance with DIN ISO standards. A second is immersed in a mixture of water and white spirit with additives. The corrosion is visible by the end of the test period.



Part no. 25002¹, 1 l
Part no. 25003², 1 l



Part no. 25000¹, 500 ml
Part no. 25001², 500 ml

For larger boats or increased demand, part nos. 25000 and 25002 are also available with a measuring cup for precise dosing. For preventative use 500 ml is sufficient for up to 500 l of diesel fuel. For preventative use 1 l is sufficient for up to 1,000 l of diesel fuel.