

FISCHEMICALS ABERDEEN

BACTERIA CONTROL WOP

Description

A MICROBIOLOGICAL CONTROL AGENT FOR USE IN WATER, LUBE OIL AND FUEL OIL SYSTEMS.

- Effective against bacteria and algae in oil and contaminated water
- Special surface-active component ensures complete coverage over large areas.
- Simple control & monitoring program
- Easy to use liquid

Applications

Bacteria Control WOP is used in cooling water systems and oil storage facilities, which have problems due to bacteria colonisation and/or algae in the oil/water interface.

Bacteria Control WOP is ideally suited for the sterilisation of Marine Diesel Engine Cooling Water Systems, which have bacteria and/or algae infection. Diesel Cooling Systems have been prone to this due to the common occurrence of lubricating and/or fuel oil mixing with cooling water. This gives an oil/water phase ideal for bacteria to colonise rapidly. Water containing bacteria can leak into the luboil system due to faulty glands, joints and seals during routine maintenance. Small amounts of infested water/oil sludge in the storage and circulatory parts of the luboil system can quickly lead to major failure of bearing surfaces due to acidic conditions and degradation of the oils lubricating properties.

Directions

Sterilisation of water system

The system should be drained and refilled with fresh water treated with Bacteria Control WOP at 500-700ml to each m³ of water. Let the Bacteria Control WOP react for 48 hours under circulation with the separate cooling pump or with the unloaded engine. During this operation careful attention should be made to blank pipes and bypass loops etc to ensure that they also receive adequate treatment.

After 48 hours, drain the system as quickly as possible through all the outlets. Refill the system with distilled water and add DIESEL to give the correct inhibition levels and add 500ml Bacteria Control WOP to each m³. The product is not to be used in potable water systems without special instructions from FIS CHEMICALS.

Sterilisation of luboil systems

After serious contamination, all areas possible should be cleaned manually to remove sludge and slime. On large engines, cleaning with undiluted AQUEOUS DEGREASER HEAVY DUTY of the casing frame followed by opening and thoroughly cleaning the sumps is strongly recommended. This should be followed by flushing of entire lubricating oil system with proprietary flushing oil containing 500 – 700 ml of Bacteria Control WOP for every m³.

Sterilisation of fuel tanks

The action of bacteria in fuel during storage is widely misunderstood and its results often thought to be that of stratification fuels due to incompatibility. If bacteria are suspected, water down from the fuel storage tank bottoms should be tested with the "Dip Slide Test" and the bacteria count established.

If it is above 10⁵/ml, there is a good chance that colonisation has taken place throughout the fuel. In that case treat with 500-700ml of Bacteria Control WOP to each m³ of fuel.

NOTE: These basic instructions are intended to give a reasonable guide to the actions required.

*Please contact FIS CHEMICALS for more details and specific recommendations.

FIS CHEMICALS LTD., CHAPEL CROFT, BUCKSBURN, ABERDEEN. AB21 9TN

TEL:01224 723796 FAX:01224 722807

sales@fischem.co.uk www.fischem.co.uk

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