

Reapproval Vecom Marine "Cooltreat NCLT"

To whom it may concern:

Based upon the written statement and laboratory analyses that the formulation of the coolant product has not been changed since the initial approval, we grant the approval on the "Engine Coolant Chemicals, Nitrate Based" approved list for the above mentioned coolant product for the use in MAN 4 stroke medium speed engines.

This reapproval covers the following product(s):

Product Name	Code #
Cooltreat NCLT	VE-TREATNCLT-01 (Master Code #)

Only the above stated Master Code # and Code #(s) including rebrands have been issued and approved.

This approval is valid for two years (until April 2023) provided there are no changes in formulation. The approval needs to be prolonged after April 2023 according to the most current "Testing Procedure for Cooling Water Approval" at that point in time.

The Master Code # including any of the above stated Code #(s) may be withdrawn at MAN Energy Solutions sole discretion at any time if any of the following reasons apply: The coolant does not fulfill the inhibition as previously tested, the engine coolant's characteristics change during real-life engine operation regarding corrosion protection, the coolant formulation is proven to be the cause for an engine damage, any changes in the coolant formulation, increased temperatures (e.g. cylinder liner), engine technology outdates the coolant technology.

For reasons of completeness we emphasize that, in any case, the coolant Master Code # owner must take over the full warranty for the coolant formulation including all above stated Code #(s) thereof and that are referenced and bound to the Master Code #.

Yours truly,

MAN Energy Solutions SE

i.V. 

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