

# FREEDOM TO WORK RATHER THAN PAPERWORK



## FREEDOM

MariNOx™ brings freedom to you as a shipowner, freedom to operate your fleet the way you want to. Complete freedom from the unwanted burden of restrictions imposed by the parameter check compliance method.

### Your Engine Settings

MariNOx™ gives you the freedom to adjust the settings of your engines to suit your own operating preferences, whether that be in low NO<sub>x</sub> or fuel efficiency mode, or a combination of both, based on your geographical area of trading. It's your choice!

### Your Choice of Parts and Servicing Partners

Fitting MariNOx™ means you're free to choose your supplier of NO<sub>x</sub> critical spare parts and who you use to service your engines and parts. Without MariNOx™ you're limited to only the engine maker's original sources. Whilst it may be your general policy to use only original spare parts, in an emergency breakdown situation you have a choice.

### Freedom from Disruptive Surveys and Excessive Record-keeping

Though policing of MARPOL Annex VI may have been low key in the past, implementation is getting ever tighter. In addition, the proper upkeep of the 'Engine Technical File' in-line with MARPOL Annex VI is at best time-consuming and often considered unmanageable. When you choose MariNOx™ you are freed from all the detailed administration such as keeping a purchase log of parts and record books of engine parameters. Moreover, you avoid potentially intrusive surveys of such things as turbochargers, cylinders and other NO<sub>x</sub> critical parts in order to check that they bear the correct IMO numbers. With MariNOx™ you're simply free to get on with running your ships in the way you see fit.

### Freedom to Use the Latest Technology

Engine makers are continually making technological advances in engine parts that improve efficiency or lower NO<sub>x</sub> emissions. Unfortunately you're restricted from installing these new technically advanced parts (such as slide valves) in existing engines unless you can prove your emissions on-board. Fitting MariNOx™ frees you from that restriction, allowing you to benefit from lower fuel consumption, lower NO<sub>x</sub> emissions and all the other benefits that these new parts deliver.

### Freedom to Use Fuel Additives

There are many fuel additives on the market that claim to reduce sludge, reduce particulate emissions, reduce engine deposits, reduce NO<sub>x</sub> emissions and improve fuel consumption. The use of these additives can have a significant effect upon a vessel's air emissions.

Without fitting MariNOx™ to your ships to prove the effect of the fuel additives on NO<sub>x</sub> emissions, you can't use many of the additives.