

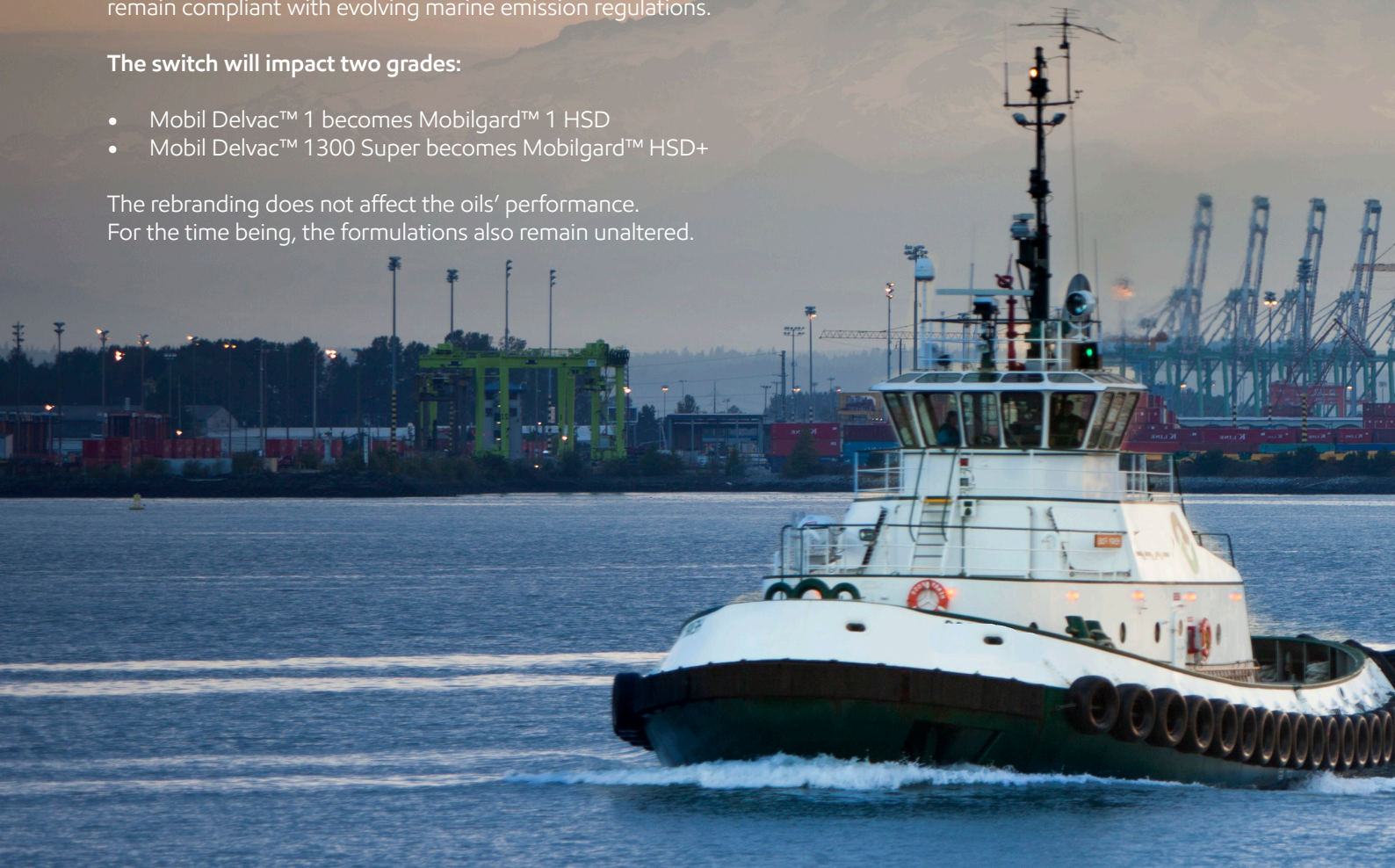
The future of marine high speed diesel engine lubrication

ExxonMobil has transferred some of its popular Mobil Delvac™ oils over into the MobilGard™ family for its marine customers, ahead of likely reformulations. The switch will help ensure you remain compliant with evolving marine emission regulations.

The switch will impact two grades:

- Mobil Delvac™ 1 becomes Mobilgard™ 1 HSD
- Mobil Delvac™ 1300 Super becomes Mobilgard™ HSD+

The rebranding does not affect the oils' performance. For the time being, the formulations also remain unaltered.



Rebranding is the first step in creating a bespoke marine industry offer



Move will help vessel operators comply with future marine regulation changes



Use of high-performance lubricants can help improve engine protection

The reason for the change

At present, on-highway engine oils are commonly used in inland and coastal vessels due to the similarity of engine design. However, the two markets have quite distinct operation parameters and those disparities are likely to increase. Changing marine regulations are likely to have an impact on fuel formulations, which in turn will drive the need for dedicated, high-performance engine oil formulations.



Marine-specific lubricants

Selecting marine-specific engine oils can deliver a range of valuable benefits for vessel operators. For example, a formulation that can operate in extreme temperatures can help ensure engine protection during start-ups in cold conditions, such as Arctic waters, and safeguard engine components during high temperature operation.

It is also possible to design lubricants that protect against sludge build-up and the accumulation of varnish deposits, and that possess a good resistance to corrosion, helping support the long life of critical wear surfaces. A balanced formulation can also help extend drain intervals, enabling improved operating efficiency and lower overall cost.

Depending on formulation, other advantages can include:

- ✔ **Component compatibility to help extend gasket seal life and service intervals**
- ✔ **A BN reserve that helps neutralise acid**
- ✔ **Stay-in-grade shear stability to protect components against wear**
- ✔ **Advanced detergency and dispersancy to help promote longer component life**

Frequently asked questions

- ❓ **Has the formulation of these two oils changed?**
Mobilgard No, for the present their formulations remain unchanged.
- ❓ **When will their formulation change?**
Any reformulations will happen in response to changes to our customers' operational requirements, such fuel modifications resulting from revised emissions limits. ExxonMobil will notify customers well in advance of any performance upgrades.
- ❓ **Are the newly branded oils compatible with my existing stock of lubricants?**
The compatibility of the rebranded products remains the same as the previous Mobil Delvac oils. If future reformulations change this in any way ExxonMobil will communicate this well in advance of the product becoming available.

