

Now is the time to go **water lubricated**

Oil leakages can result in

Potential fines



Port bans



Restricted area operation



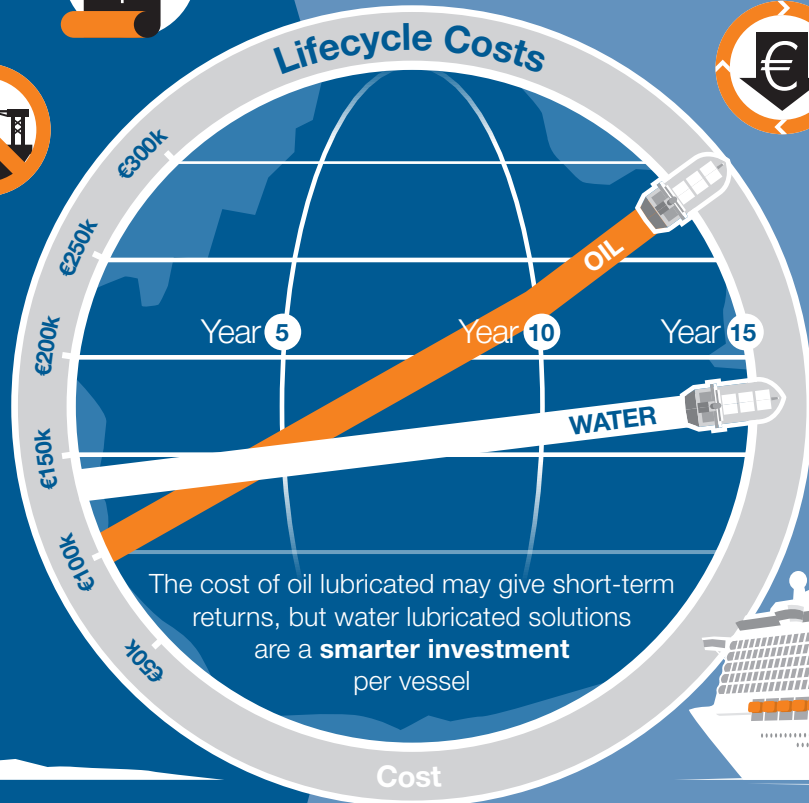
Seawater is the oldest lubricant for propeller shaft stern tube systems

Why go water lubricated?

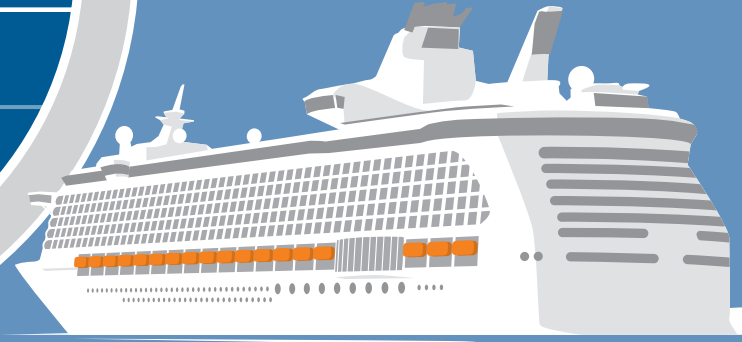
Can massively reduce costs over the whole lifecycle compared with oil



43% of all system failures relate to aft seal failure
Removing the need for an outboard seal removes this risk



The cost of oil lubricated may give short-term returns, but water lubricated solutions are a **smarter investment** per vessel



Oil lubricated seals have the potential to leak,

even if it's over time to prevent water ingress. Some seal types prevent this, but damage can still occur, causing substantial oil leakages.

Comply with legislation

- 1972 Clean Water Act
- 1987 Water Quality Act
- 2008 EPA issues first VGP
- 2013 EPA revises VGP
- 2017 Polar Code
- 2020 ?