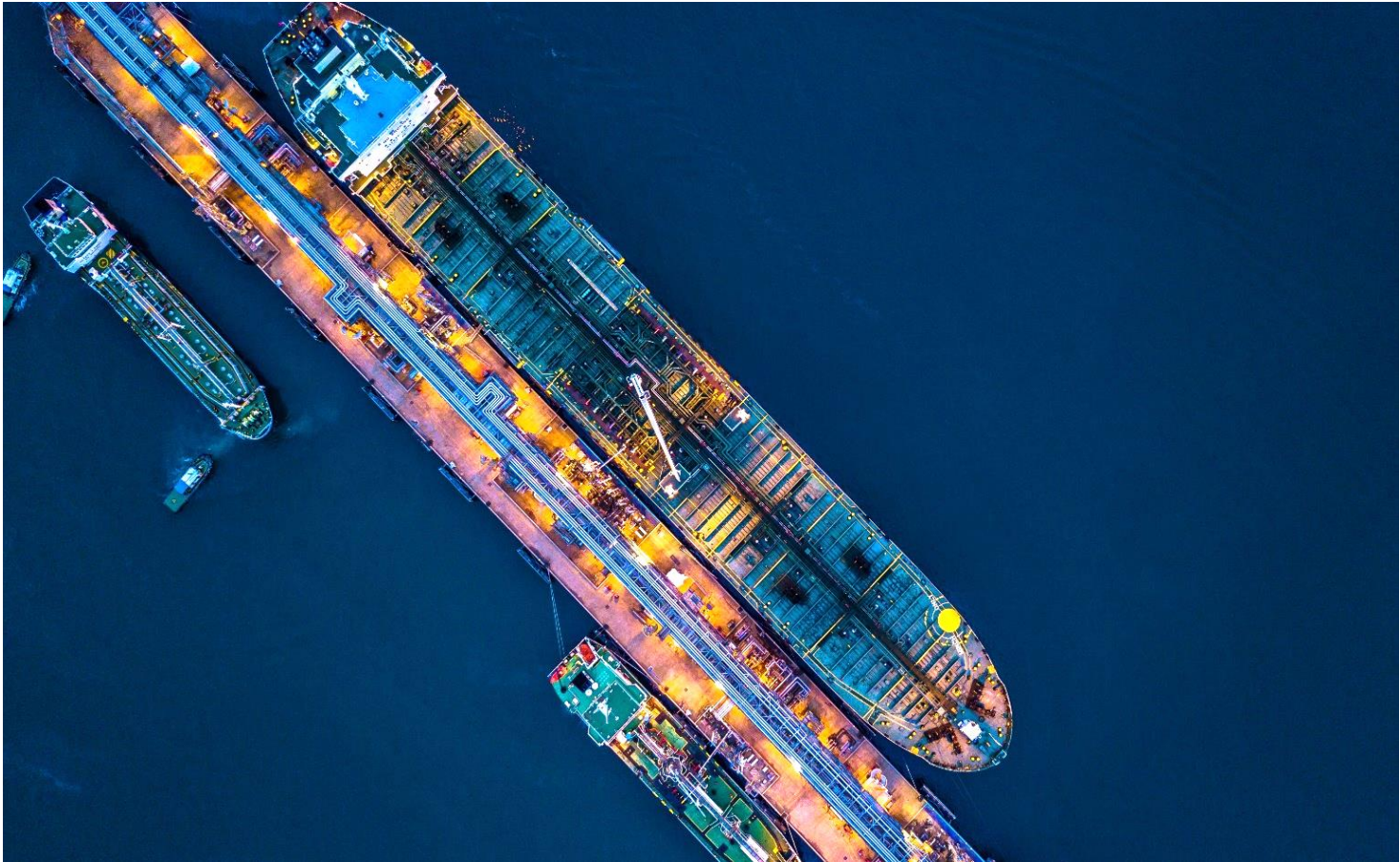




# Ignition and Combustion Properties of Very Low Sulfur Fuel Oils (VLSFOs)



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## Summary

The new 2020 Very Low Sulfur Fuels (VLSFOs) have become the most widely used fuel in 2020 since the IMO sulfur regulations. The chemical nature of VLSFOs has been very complex, due to the fact that these are hybrid fuels made by blending multiple product streams. We know that these fuels are far from trouble-free. While there are other problems with the use of VLSFOs, around 14% of the problems reported to us were related to liner wear and scuffing. In order to determine the effect of the ignition and combustion properties of VLSFOs, a detailed analytical study of ignition and combustion parameters was carried out. The Viswa Group has carried out ignition and combustion analyses on 120 VLSFOs from different sources and characteristics. Most of the VLSFOs had very good ignition and combustion properties as well as a normal after-burning-period (ABP). The study attempts to understand the ignition and combustion properties. Some problems encountered while using these fuels such as liner wear and scuffing are also addressed.

For more information and to get a copy White Paper, please send contact us at : [operations@theviswagroup.com](mailto:operations@theviswagroup.com)

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