

Cold Flow Properties of Very Low Sulfur Fuel Oils (VLSFOs)



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Summary

To meet the IMO 2020 Sulfur requirements, there is a new breed of fuels that were introduced called the Very Low Sulfur Fuel Oil (VLSFO). They are often an end product of blending different components to make a fuel to meet the ISO 8217 specifications of sulfur. These 2020 fuels are known to be more paraffinic when compared with high sulfur fuel oil (HSFO). Although the more paraffinic blends have excellent ignition and combustion properties, they also have more wax deposition issues and poor cold flow properties. They may also have more incompatibility issues when mixed with aromatic fuels. In contrast, aromatic fuel blends are less likely to form wax and have good cold flow properties. With the increasing use of these VLSFOs and the data gathered from our testing, Viswa is seeing some interesting patterns with these VLSFOs. It is crucial to understand the cold flow properties of these fuels to ensure appropriate temperature management on board, during delivery, storage and handling purposes.

Please contact us at operations@theviswagroup.com for the full paper.

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