

## The surprising move in marine fuel spreads

There were great expectations for product markets in 2020 with IMO sulphur regulations coming into force at the start of the year. Expectations that this regulation would be bullish for middle distillates and bearish for high sulphur fuel oil has not gone to plan. Here's why



### Middle distillates tank

One of the biggest surprises since the implementation of new International Maritime Organization (IMO) sulphur regulations is the weakness we have seen in the middle distillate market. Expectations were that we would see a large share of the shipping industry shift to marine gasoil, which would be a bullish scenario for middle distillate cracks. Instead, gasoil cracks are trading at levels last seen in 2017, falling by more than 50% from their October 2019 highs. A milder than usual winter, and the outbreak of the COVID-19 virus are just two factors adding further pressure on middle distillates.

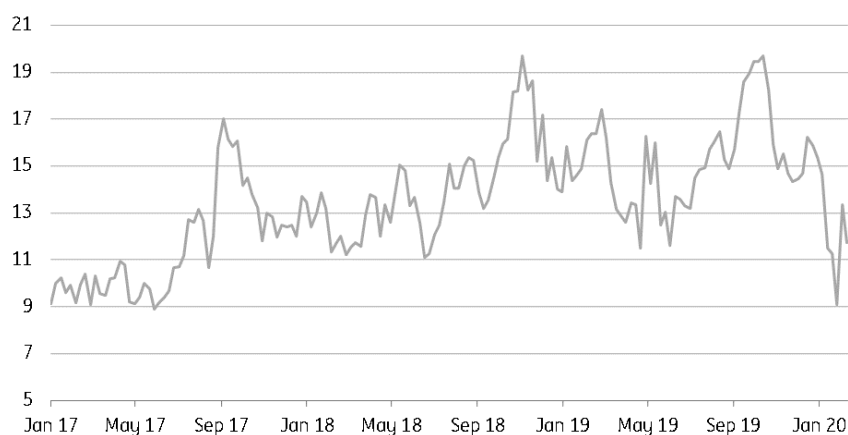
---

*Demand for very low sulphur fuel oil has been stronger than expected*

---

However, from a shipping perspective, one of the key reasons why we have not seen strength in the market is the fact that demand for very low sulphur fuel oil (VLSFO) has been stronger than expected. As a result, the pick-up in marine gasoil demand has not been as much as anticipated. This has happened despite several reports of off-spec VLSFO. There also appears to be an element of hesitancy to move towards marine gasoil, with concerns over viscosity. This is evident in Asia, where we have seen VLSFO actually trading at a premium to marine gasoil.

## Spot ICE gasoil crack (US\$/bbl)



Source: Bloomberg, ING Research

## Fuel oil cracks rally

While we have seen weakness in middle of the barrel products, fuel oil has strengthened, defying market expectations. The prompt crack in NW Europe has traded from around a US\$30/bbl discount late last year to less than a US\$15/bbl discount currently. There are several reasons behind this strength.

Firstly, refiners would have made any adjustments they could, be it through refinery upgrades, or adjusting feedstock accordingly to minimise HSFO yields as we moved into 2020.

Secondly, there has been increased interest from US refiners to process HSFO and, looking at fuel oil imports into the US over the last few months, particularly towards the end of 2019, volumes did increase. This move does also appear to reflect the limited availability of heavier crude grades for refiners in the US Gulf, given US sanctions against Venezuela.

Thirdly, and this certainly shouldn't come as too much of a surprise, we see more ships with scrubbers installed coming online. This would provide some additional support to the demand picture for HSFO. The coronavirus could even have an impact here, with a potential delay in scrubber installations.

Finally, a factor which was more of a risk than a reality was the potential for the US not to extend waivers which allow Iraq to import natural gas and electricity from Iran. If this were to happen, it would likely mean that Iraqi domestic fuel oil consumption would increase for power generation needs, so reducing export availability of fuel oil from the country. The risk of this happening has eased, however, with the US recently extending waivers by another 45 days.

## China VLSFO supply set to rise

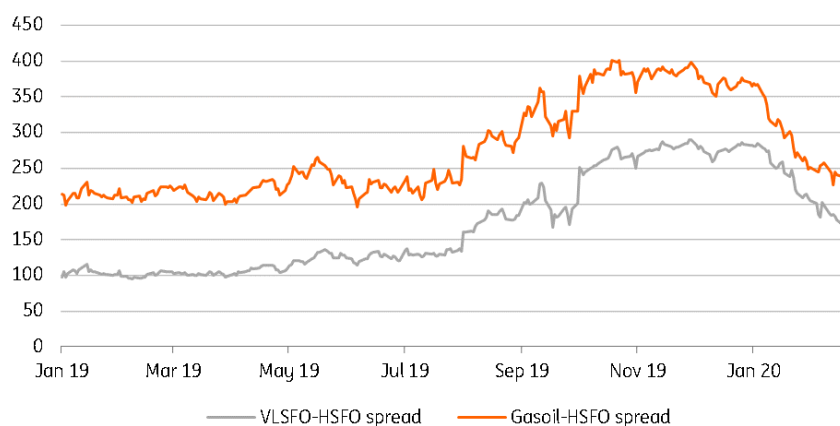
The VLSFO market was performing well until news that China would provide tax waivers to refiners in the country for lower sulphur fuel oil production, which has set the path for VLSFO output in China to grow. Already there are reports that PetroChina has delivered volumes of VLSFO into bonded storage, where it will likely be reloaded to ships. The idea is that China wants to build its capabilities as a bunkering hub, rather than wholesale exports of VLSFO.

## What has this all meant for spreads?

The above dynamics have had an impact on marine fuel spreads. The more bearish environment we have seen in the middle distillate market, along with a more constructive HSFO market, has meant that the spot NW Europe gasoil-HSFO spread has narrowed from around US\$400/t at certain stages last year to around US\$235/t currently. Meanwhile, pressure from potential Chinese VLSFO supply has had a similar impact on the spot VLSFO-HSFO spread, with it falling from a high of US\$290/t late last year to around US\$165/t currently. Obviously, these narrower spreads increase the payback period for a scrubber, making the economics of an installation not as attractive as it looked last year.

As we see more scrubber fitted ships coming online, it will increasingly eat into the advantage of burning HSFO. Therefore, we believe the spreads are unlikely to trade back out to the highs seen last year.

## NW Europe spot marine fuel spreads (US\$/t)



Source: Bloomberg, ING Research

## Author

**Warren Patterson**

Head of Commodities Strategy

[Warren.Patterson@asia.ing.com](mailto:Warren.Patterson@asia.ing.com)

## Disclaimer

This publication has been prepared by the Economic and Financial Analysis Division of ING Bank N.V. ("ING") solely for information

purposes without regard to any particular user's investment objectives, financial situation, or means. *ING forms part of ING Group (being for this purpose ING Group N.V. and its subsidiary and affiliated companies).* The information in the publication is not an investment recommendation and it is not investment, legal or tax advice or an offer or solicitation to purchase or sell any financial instrument. Reasonable care has been taken to ensure that this publication is not untrue or misleading when published, but ING does not represent that it is accurate or complete. ING does not accept any liability for any direct, indirect or consequential loss arising from any use of this publication. Unless otherwise stated, any views, forecasts, or estimates are solely those of the author(s), as of the date of the publication and are subject to change without notice.

The distribution of this publication may be restricted by law or regulation in different jurisdictions and persons into whose possession this publication comes should inform themselves about, and observe, such restrictions.

Copyright and database rights protection exists in this report and it may not be reproduced, distributed or published by any person for any purpose without the prior express consent of ING. All rights are reserved. ING Bank N.V. is authorised by the Dutch Central Bank and supervised by the European Central Bank (ECB), the Dutch Central Bank (DNB) and the Dutch Authority for the Financial Markets (AFM). ING Bank N.V. is incorporated in the Netherlands (Trade Register no. 33031431 Amsterdam). In the United Kingdom this information is approved and/or communicated by ING Bank N.V., London Branch. ING Bank N.V., London Branch is authorised by the Prudential Regulation Authority and is subject to regulation by the Financial Conduct Authority and limited regulation by the Prudential Regulation Authority. ING Bank N.V., London branch is registered in England (Registration number BR000341) at 8-10 Moorgate, London EC2 6DA. For US Investors: Any person wishing to discuss this report or effect transactions in any security discussed herein should contact ING Financial Markets LLC, which is a member of the NYSE, FINRA and SIPC and part of ING, and which has accepted responsibility for the distribution of this report in the United States under applicable requirements.

Additional information is available on request. For more information about ING Group, please visit <http://www.ing.com>.