



White paper



FCM challenge 3

Running on MGO

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Contents

| | |
|---------------------------------------|---|
| The challenge of running on MGO | 3 |
| The Alfa Laval solution..... | 4 |

Running on MGO

Most ships in operation were designed primarily to be fuelled with heavy fuel oil (HFO), so the nature of the equipment on board was only meant for this fuel application. Due to the regulation changes, many owners now want to run ships on marine gas oil (MGO), which poses a few challenges for vessels:

- Lighter MGO fuel needs to be conditioned properly, which means it needs to be the right temperature and viscosity. This needs to be done accurately and efficiently by equipment designed to work with MGO
- It's a challenging process to switch between HFO and MGO
- MGO needs to be cooled down even in the supply pump recirculation loop

This means that ship owners need to focus on two things:

- You need to be able to handle the fuels that are available today
- You need to invest in a system that's flexible, and can adapt to new, unpredictable fuel scenarios.





The Alfa Laval solution

Alfa Laval ACS offers the necessary functions to be able to handle MGO which are missing from older boosters, including:

- A control cabinet which controls the MGO temperature, and allows local and remote operation of the changeover valve.
- Skid-mounted PHE cooler with a temperature regulating loop for easy installation
- Fully automated, safe changeover process



The Automated Fuel Changeover System (ACS) is a reliable, fully automatic fuel changeover system that facilitates fuel oil changeover while maintaining fuel viscosity within the limits set by engine manufacturers.

About Alfa Laval

Alfa Laval is a leading global provider of specialized products and engineering solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again. We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuff, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com

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