

Large coal carrier 「SHOYO」 equipped with our dual-fuel engine 「6DE20DF」 entered service.

The large coal carrier "SHOYO" equipped with our dual-fuel engine "6DE20DF" entered service for NYK Line on October 2. This vessel is the first bulk carrier to be equipped with our dual-fuel engines.

The vessel is the first LNG-fueled large-scale coal vessel in the world, and is a next-generation eco-friendly vessel that is expected to reduce sulfur oxide (SOx) emissions by almost 100%, nitrogen oxide (NOx) by around 80%, and carbon dioxide (CO2) by around 30% compared to conventional bulk carrier.

It will be operated by NYK Line, and coal will be transported from overseas for the coal-fired power plant of Kyushu Electric Power Co., Inc.

The 6DE20DF engine installed on board the vessel is an environmentally friendly, high-performance engine that can switch between LNG-fueled gas mode and liquid-fueled diesel mode depending on conditions, reducing not only CO2 but also SOx, NOx and PM (particulate matter) at the same time.

We have a lineup of LNG-fired technologies with an output of 670~4,080kW in four types, and we expect to ship a total of 76 units this month.

We will continue to regard global environmental protection as an important management issue, and through our products and services, we will work to reduce greenhouse gas emissions and make effective use of resources, with the objective of preserving the environment and supporting daily lives.

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