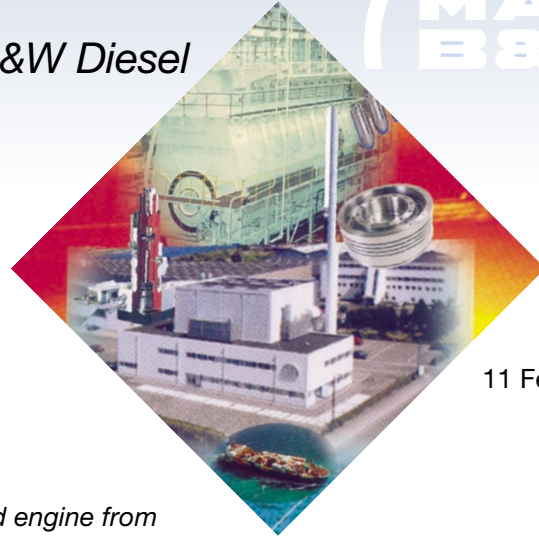


Odfjell opts for electronically-controlled engine after Bow Cecil success



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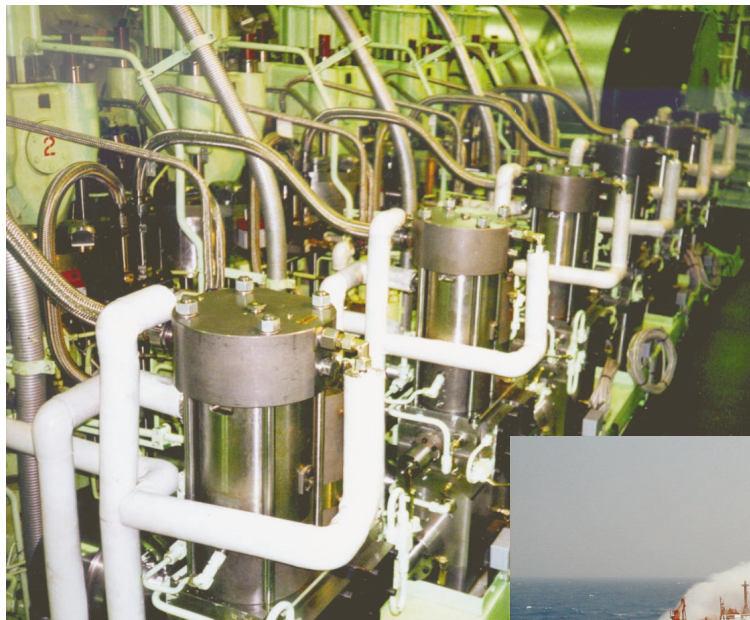
Odfjell ASA have ordered a dedicated electronically-controlled engine from MAN B&W Diesel A/S, a 7-cylinder S50ME-C model to be manufactured at the group's Alpha Diesel factory in Frederikshavn, Denmark.

Norwegian owner Odfjell ASA has specified the engine to power a 37,500 dwt chemical tanker newbuilding due from the Norwegian yard Kleven Floro AS in the fall of 2003. The 7S50ME-C will be the first MAN B&W Diesel two-stroke diesel engine to be built from the start purely with fully integrated electronic control systems that eliminate the traditional camshaft.

Odfjell ASA appreciates the capabilities of the technology since a 6L60MC/ME engine has been running successfully for almost a year in electronic mode in their tanker Bow Cecil, whose crew is very enthusiastic about the concept.

Planned for delivery by MAN B&W Diesel, Frederikshavn Works, in spring 2003, the 7S50ME-C engine will have an output of 10,415 kW at 120 r/min and offer all the inherent advantages of electronic control, notably:

- Variable electronically-controlled timing of fuel injection and exhaust valves for lower specific fuel consumption and better performance parameters
- Lower rpm possible for manoeuvring
- Better astern and crash stop performance



- Improved emissions characteristics, such as lower NOx and smoke values at any load
- Equalized thermal load in and between cylinders minimizing the risk of premature need for overhaul
- System incorporating performance monitoring to promote longer times between overhauls.

MAN B&W Diesel's ME concept allows the use of a well proven traditional fuel injection pattern and technology with increased rate during the injection period.



Bow Cecil

The ME engine programme consists of 14 engine types with outputs ranging from 6,320-80,080 kW.

*MAN B&W Diesel A/S
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Copenhagen*