



CIMAC CIRCLE Norway at NorShipping 2005

Under the topic '**Coming Sulphur Regulations – Challenges to the Marine Industry**' the Norwegian CIMAC Association arranged a CIMAC CIRCLE at NorShipping on June 9, 2005. Altogether 56 delegates participated in the arrangement. The panel was chaired by Einar Sundt, Rolls-Royce Marine AS, and consisted as usual of high-ranking experts from the industry. In their opening presentations the panellists addressed some major questions covering future marine fuel availability, quality and cost aspects as well as technical and operational challenges from the manufacturers' and end users' point of view.



The panel from left to right: Greg Tonks, Jens Thomsen, Kjeld Aabo and Einar Sundt

Panellists: 1. Einar Sundt, Rolls-Royce Marine AS, Norway, President of CIMAC NMA Norway

Opening speech and chair

2. Kjeld Aabo, MAN B&W Diesel A/S, Denmark

“Quality of Low Sulphur Fuels”

3. Jens Thomsen, A.P. Møller, Denmark

”Experience from Operating Diesel Engines on Low Sulphur Fuels”

4. Greg Tonks, Shell Marine Products, UK

“Market Prospectives for Low Sulphur Fuels”

After the opening presentations time was dedicated to questions and discussion with the audience. Several questions addressed future low sulphur availability and quality spread and uncertainties regarding stability margins and fuel compatibility, and to future fuel combustion and ignition quality. A general concern were to which extent existing fuel certificate and quality criteria would be sufficient to expose possible “trouble fuel” and to avoid increase in operation problems, excessive sludge formation, wear rates and related maintenance. The discussion concluded a possible need for improved quality criteria, especially regarding fuel ignition and combustion quality, as the established CCAI criteria might be insufficient to expose combustion properties for bunker originating from today’s refineries based on cracker processes.



The panellists and the organisers of CIMAC NMA Norway from left to right: Jens Thomsen, Kjeld Aabo, Øyvind Toft, Einar Sundt, Lars Kolle & Greg Tonks



The audience at CIMAC Circle Norway June 9, 2005

Lars Kolle, secretary CIMAC NMA Norway