



CIMAC Circle at WMTC – March 8, 2006

The UK NMA hosted a CIMAC Circle at the World Maritime Technology Conference on March 8th in London. The topic was '**Gas, the Environmentally Friendly Marine Fuel – Challenges and Opportunities**'. The committee were very fortunate in being able to call upon a panel of acknowledged experts who each gave a presentation on their views on the topic.

The members of the panel were: Dr Axel Hanenkamp, MAN B&W, Germany; Mr Per Magne Einang, Marintek, Norway; Mr Lars Nerheim, Ricardo UK; Mr Norman Rattenbury, Lloyds Register UK and Mr Ingemar Nylund, Wartsila, Finland.

Mr. Nylund described the Wartsila 50 Dual Fuel engine and told of its success in the marketplace, particularly in LNG carriers. Dr. Hanenkamp explained the features of MAN's new dual fuel engine, the 51/60; the first customer engines will be available in 2007. Mr Rattenbury outlined Lloyd's approach to the formulation of rules specific to the use of Gas as a fuel for ships. Mr Einang told of the increasing use of Gas for coastal ferries and showed the details of a new series of double ended ferries being built in Norway for these routes. Mr Nerheim highlighted the differences between spark ignited Gas engines and dual fuel engines and enumerated the differences between mechanical and electric drive systems and how this affects the choice of engine.

Following these excellent presentations the chairman Mr Humphrey Niven invited the audience to put questions to the members of the panel. A lively series of questions followed, which were expertly handled by the panellists. The meeting closed with a vote of thanks by Mr Graham Calder to the panellists who were then presented with a small token of appreciation.

The Circle was attended by fifty people and the UK NMA greatly appreciated the help given by the I Mar EST to stage this meeting at WMTC 2006. Our thanks also go to our sponsors, namely BP, MAN UK, Ricardo UK and Wartsila UK.



Humphrey Niven, Panel Chairman



The panel