



CLT® PROPELLERS SELECTED FOR DE POLI 19,800 DWT CHEMICAL TANKERS AT NINGBO XINLE SHIPYARD

Madrid, 2nd October 2014, **SISTEMAR** and **SINM** announce the order for two CLT Propellers of their design to be installed on the 19,800 DWT Chemical Tankers to be built by **Ningbo Xinle Shipyard**, China, for **De Poli Tankers**, the Netherlands, and designed by **MES**, Italy. The CLT Propellers will be manufactured by **Yuanhang Propeller Manufacturing Company**, China.

The CLT Propellers were selected due to showing the highest efficiency among the different conventional and unconventional propellers tested at **SVA**, Austria. These model tests presented an important milestone for CLT Propellers since it was the first time ever in which they were tested against another popular unconventional propeller type. Both unconventional propellers were designed for the very same ship and for the very same design point. As expected, but not yet proved, the performance of the CLT Propeller was markedly superior.

This is the third order for SISTEMAR CLT Propellers placed by a Chinese shipyard in a relatively short time. It follows the order and the successful delivery of four 12,000 m³ Ethylene Gas Carriers to Evergas, Denmark, by Sinopacific Offshore Engineering and the order for two 120,000 DWT Bulk Carriers for Elcano, Spain, at Shanhaiguan Shipbuilding Industry.

SISTEMAR and SINM are confident that these initial successful installation of CLT propellers in China will help further spreading their knowledge among shipowners, designers and shipyards, leading to their systematic selection for so called “eco” or “green” vessels.

Ship characteristics

Length between P.P.	145.70	m
Breadth	25.60	m
Draft	8.40	m
Service speed	15.50	knots
Engine MCR	6,900	kW

CLT Propeller characteristics

Diameter	5.450	m
Blade area ratio	0.440	-
Revolutions	127	rpm
Blade number	4	-
Type	FPP	-

SISTEMAR CLT Propellers are the most widespread unconventional propeller with more than 280 installations worldwide, up to 300,000 DWT and up to 22 MW per propeller. CLT Propellers are the most efficient type propeller presently available for ships.

SISTEMAR CLT Propellers allow for a gain in efficiency, and consequent fuel savings, of about 5 to 8% over conventional propellers and of about 2 to 5% over other non conventional propellers. SISTEMAR CLT Propellers are the dominant choice for new buildings and they are very attractive for increasing the efficiency of ships in service thanks to their very short ROI.

SISTEMAR, www.sistemar.com, is a Spanish company highly specialised in ship propulsion and in propeller design. The mission of SISTEMAR is the design and commercialisation of CLT propellers. SISTEMAR is the only company worldwide which has the technology and the experience for designing CLT Propellers.

SINM, www.sinm.it, is a “think tank” engineering consultancy firm providing services within the marine, off shore and industrial markets. SINM is specialised in failure investigation, litigation support and forensic engineering in relation to machineries and mechanical plants, components and ship propulsion. SINM is also a shareholder and a technical and commercial partner of SISTEMAR.

Yuanhang Propeller Manufacturing Company, www.yhpropeller.com.cn, is the largest propeller manufacturer in South China and is licensed by SISTEMAR for the manufacturing of CLT propellers.

For additional information please contact:

SISTEMAR

Doct. Juan Gonzalez Adalid
C/ Peñalara, 2 – bloque B, 1oJ
28224 Pozuelo de Alarcón, Spain
sistemar@sistemar.com / www.sistemar.com

SINM

Dott. Ing. Giulio Gennaro
Via G. D’Annunzio 2/88
16121 Genova, Italy
sinm@sinm.it / www.sinm.it

– END –

