



RENK—the prime mover and world leader in LNG tanker gear units

Augsburg, Sep. 4, 2012
no. 3/2012

RENK AG is among the world's foremost manufacturers of marine gear systems and its plant at Rheine, Germany, which specializes in single- and twin-engine gear units as well as propeller shaft clutches, is a highly favored partner when it comes to developing innovative marine gear solutions for LNG tankers.

The majority of all dual-fuel diesel-electric (DFDE) propulsion systems for new LNG tankers feature single and double gear units from RENK with center distances of up to 4,200 mm. Two electric motors are combined by a double gear unit and together deliver up to 30,000 kW to the fixed-pitch propeller.

On the latest-generation LNG tankers with two independent propulsion systems for much greater redundancy, RENK single-motor gear units reliably convert the power from the electric motor into propulsion

RENK's presence in this market is also reflected in customers' regular use of the slide bearings sourced from the Hannover plant and installed in the onboard generators and electric motors. These bearings are thousandfold proven in container vessels, tankers, service craft, and ferries.

On over 90 LNG tankers, shipyards and owners have opted for the proven dependability of RENK gear units. Customer have most recently included Hyundai Heavy Industries, Samsung Heavy Industries, Daewoo Shipbuilding & Marine Engineering Co., Ltd. and STX-Offshore & Shipbuilding Co., Ltd.

Technical data:

Type of ship: LNG tanker 173.400
Owner: Knutsen OAS Shipping, Norway
Shipyard: Daewoo Shipbuilding & Marine Engineering Co., Ltd.

RENK supplied:
2 x RSH-2050 (single gear units)
Rating: 13,600 kW
RPM: 610 / 78
Reduction: 7.82 : 1

RENK AG
Press Coordination
Gögginger Str. 73
86159 Augsburg, Germany

Contact:
Phone (+49-821).5700-662

press@renk.biz
www.renk.eu



LNG tanker "Ribera Del Duero Knutsen" with 2×RSH-2050 RENK gear units