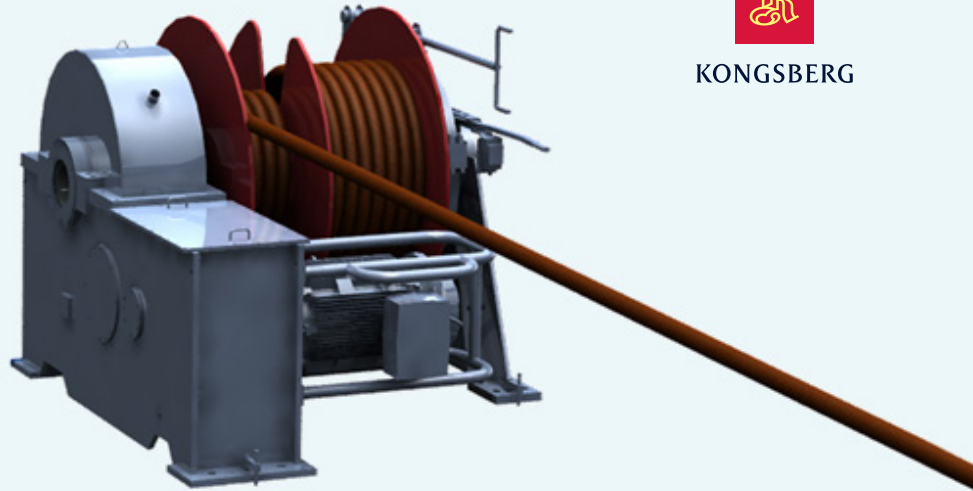


REPLACEMENT OF THE MOORING ROPES



KONGSBERG



DECK MACHINERY - ANCHORING, MOORING & TOWING

Replacing the mooring ropes

As result of recent development of mooring ropes, we have seen increased interest from several ship owners and operators to replace the original mooring rope to different type of rope introducing improved features like smaller diameter and/or higher Minimum Breaking Load (MBL).

In terms of product safety and proper performance after changing the rope, we as maker for deck machinery are highlighting possible impact in this fact sheet.

The deck machinery has originally been optimized to a certain type of rope (diameter and MBL as main features impacting winch design), which is used as basis for designing a winch delivering specific performance characteristics.

Thus, the replacement of mooring rope with different diameter or MBL might lead in deviation in original performance characteristics like winch pulling force, rope speed and brake capacity as main features.

Changing the rope, especially from conventional synthetic rope type to High Modulus PE (HMPE) type, might also affect the mooring winch structural strength.

Because of above mentioned reasons with highest focus on operator and vessel safety in all circumstances Kongsberg Maritime is strongly recommending involving us as maker of OEM equipment to verify if the rope change can be safely proceeded.

VESSEL SPECIFIC STUDY OF ROPE SUITABILITY - COST: EUR 1900 (VAT 0%):

- Including structural strength study for winches with new type mooring rope
- Verification to customer if the existing deck machinery is safe to use without any modification
- If modifications are required, includes recommendations of modifications for safe use of deck machinery

Vessel specific design for deck machinery modification supporting the safe operation of new type mooring rope - cost:

EUR 2400 (Vat 0%) includes:

- Winch-specific modification drawings
- Installation
- instructions

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