Technical information

SUBJECT：Cautions to chain drum and hawser drum during winch operation

When rotating the main shaft with hawser drum clutch disengaged and the brake tightened, make sure that there is no large tension on the hawser rope.

If the main shaft is rotated for a long period of time with a large tension applied to the hawser drum, the tension may cause the grease to run out, and the bushing and the bearing metal of main shaft may be seized.

If it is unavoidable to rotate the main shaft while tension is applied to the drum, lubricate the grease to bushing and the bearing metal of main shaft, and try to run the winch for a short time as much as possible.

Load when rope tension is applied

In a single shaft windlass where the chain drum and the hawser drum are located on the same shaft, chain tension remains between the bell mouth and the chain drum if the brake is tightened with the control valve in the winding operation when storing the anchor.

After fixed the chain with the chain stopper, release the chain tension by loosening the brake one time.

If the hawser drum is used while the chain tension remains between the bell mouth and the chain drum, the bushing and the bearing metal of main shaft may be seized.

Example of a chain drum under tension

Load when chain tension is applied

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