Technical information

SUBJECT：Maintenance for bearing of main shaft

Grease the main shaft bearing metal and the bushing for the hawser drum weekly and before /after use. (Grease used: JIS K 2220 Class 4 grease for centralized lubrication, No. 2 or equivalent)

If there is not enough grease, the sliding surface heats up due to insufficient lubrication when the winch is used, and the bearing metal of main shaft may seize.
In addition, rust may occur on the main shaft due to seawater comes into the clearance of bearing because of insufficient grease.
If the clearance becomes larger due to wear of the bearing metal caused by rust on the main shaft, the bearing metal must be replaced. Also, if the main shaft is badly rusted, the main shaft to be replaced.

Bearing metal seizure due to insufficient grease

Rust on the main shaft due to seawater

・While rotating the main shaft at a low speed, apply grease from the grease nipples of all the bearings of main shaft, until grease comes out from the clearance between the shaft and the bearing metal.
・After greasing, disengage the drum clutch and rotate the main shaft only, and check that there is no abnormal noise or temperature rise.

Check that no tension by rope is applied at each drum, then apply grease the bearing metal of main shaft and bushing for howser drum, before running the main shaft.

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PRECISION MACHINERY BUSINESS DEVISION
CUSTOMER SERVICE DEPARTMENT

2021.11