

# Pre-docking inspection DWG

Comprehensive inspection  
programme to lower your  
operational costs



Svanehøj Group offers a comprehensive inspection programme for its cargo pump systems. By providing you with detailed information on the condition of your equipment, this pro-active approach to pump maintenance can significantly reduce repair costs while providing operational reliability and added safety.

#### **Proven expertise**

The comprehensive programme includes activities from visual inspections to the most advanced vibration measurements. It has been designed utilising the company's deep in-house know-how, and is based upon years of experience in the manufacturing and servicing of quality deepwell cargo pump systems.

#### **Pre-docking inspections**

Our skilled supervisors are available to be on hand during any convenient discharge operation, and can thus monitor the operation of your cargo pumps. In particular, they can check for abnormal vibration, noise, shaft sealing leaks, and much more. At the same time, they can carry out performance tests before and during the discharge.

Highly trained SVANEHØJ engineers are able to ensure correct pressure readings using calibrated pressure gauges, and

have ex. approved vibration monitoring equipment needed for machine diagnostics and data collection from the pump(s) and electric motor(s). This service allows a reliable insight into the expected lifespan of the bearings.

As an additional benefit, having our supervisors onboard gives the unique opportunity for training the crew in both daily operation of the cargo pumps and also in general maintenance of the system.

Following a pre-docking inspection and performance test, we issue a comprehensive "condition assessment report". This specifies our recommendations, which then can be presented to the classification society surveyor. Ultimately, based on the condition assessment report, we can provide a tailor-made dry dock kit to ensure a timely and well planned dry docking.

## Performance test

As an addition to having our specialists onboard, we also provide the opportunity for the crew to return a performance test assessment.

The “performance test sheet” will give an indication of reduction in performance as compared to the original performance test carried out at our test bed when the pumps were new and newly approved by the classification society.

## Scheduled service after 5 years of service

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<b>Electric motor:</b>	Visual inspection, grease acc. to manual.
<b>Flexible coupling:</b>	Replace coupling element, item 23.
<b>Bearing arrangement:</b>	Visual inspection, grease acc. to manual.
<b>Sealing liquid:</b>	To be renewed.
<b>Anti-rotation device:</b>	Test function, and check drop-pins, item 74 for damages and bearing housing cover, item 61 for wear.
<b>Manometer arrangement:</b>	Visual inspection, replace defective manometer, if necessary.

## Scheduled service after 10 years of service

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<b>Electric motor:</b>	Visual inspection, grease acc. to manual.
<b>Flexible coupling:</b>	Replace coupling element, item 23.
<b>Bearing arrangement:</b>	Overhaul bearing arrangement.
<b>Sealing liquid:</b>	To be renewed.
<b>Anti-rotation device:</b>	Test function, and check drop-pins, item 74 for damages and bearing housing cover, item 61 for wear.
<b>Manometer arrangement:</b>	Visual inspection, replace defective manometer, if necessary.

## General

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As the wear and tear on the DWG pump model strongly depend on the purity of the cargo, Svanehøj do not recommend having any scheduled maintenance done on the pump below deck-level unless any of the below is observed:

- Abnormal noise or vibration from the pump during operation.
  - Lack of performance, or the pump takes time to build up discharge pressure.
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## WELCOME ON BOARD

At Svanehøj Group, we work based on the notion that we are better together. That's why a Svanehøj Group solution equals a long-standing partnership and first-class lifecycle support from industry experts who are committed to helping you get the most out of your pump investment.

Svanehøj Group has close to 100 years of market presence and a portfolio that includes recognised brands such as SVANEHØJ, Hamworthy Pumps, Dolphin and Eureka. We have three main offices in Denmark, Singapore and the United Kingdom supported by a global sales and service network.

If you want to know more about how we can help you move forward with Global Service, please don't hesitate to ask. We look forward to welcoming you on board.

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