

DECK MACHINERY SERVICE NEWS

DATE: 20th/November/2023

No. : No-23-006

SUBJECT : Frequently asked questions about BRAKE TEST KIT

We have received many questions regarding the brake test kit for KAWASAKI deck machinery. Please see below for answers to some of the most common questions. If this document does not solve your problem or if you have any questions, please contact us through our agent.

Q. What the brake rendering force is when performing a brake test.

A. Brake rendering force must be determined by the customer at a force below the brake capacity. As a typical example, according to OCIMF MEG-4, it is recommended to perform a brake test at 60% of SDMBL. However it depends on the regulations of the port of entry, so it is recommended to check with the port authorities. ※SDMBL : Ship Designed Minimum Breaking Load For the value of SDMBL, confirm with the shipbuilder.

Q. What the pressure of the cylinder is when performing a brake test.

A. Please refer to the page for brake test in the drawings. In case of change the brake rendering force or rope diameter, calculate according to the formulas shown in the drawing or contact us. When contacting us, please provide us with the following information.
1. Brake rendering force to be set 2. Rope diameter 3. Winding layer

Q. How many rope winding layers should be used when single flange drums are used?

A. There is no winding layer specified from kawasaki. Use less than or equal to the rated winding layer as indicated in the drawings.

Q. Need a quote for a brake test kit (new install).

A. Please provide us with the following information.
1. Brake rendering force to be set 2. Rope diameter 3. Winding layer
We will send you a reference drawing of a brake test kit that describes the reaction force applied to the hull. Please check with the shipbuilder to confirm that there are no problems with the installation on the vessel and the strength of the hull.
Note: Additional processing of the brake test holes must be machined by the customer.

Q. How to do a brake test.

A. The drawings in the brake test kit (included the instruction) show how to perform the test.

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