



NIPPON KAIJI KYOKAI

Certificate

Certificate No. : TA06083M

APPROVAL OF USE OF STERN TUBE BEARING

THIS IS TO CERTIFY that the water lubricated stern tube bearing,

Model : FRICITION FREE BEARING (FFB) TYPE F, T and S
Manufacturer : MIKASA CORPORATION

has been approved in accordance with the requirements of 6.2.10-1(3), Chapter 6, Part D of the Society's Rules, 2005 edition, with

Approval Number : 96 FF 003B

as the bearing applicable to the stern tubes and shaft brackets of the ships classed or to be classed with the Society.

The approval is conditional upon the followings:

1. The shaft diameter at the bearing part is not to be more than 700 mm.
2. The bearing length is not to be less than 3.0 times the required shaft diameter or 2.2 times the actual shaft diameter at the bearing part, which ever is the greater.
3. The drawings of the bearings are to be submitted to the Society for approval for each ship in accordance with the requirements of 6.1.2(1)(g) and (i), Chapter 6, Part D of the Rules.
4. The bearings are to be manufactured in accordance with the manufacturer's standards at their works covering production methods, testing and inspection, quality control and workmanship. It is not required that the testing and inspection are carried out in the presence of the Society's surveyor.

This certificate will remain in force until 14 January 2011.

Issued on 7 February 2006.



S. Ogawa
General Manager,
Machinery Department