

Shop Approval



Approval No: **KBZ 1040 HH 2**

For the
Production of **Synthetic Rudder Bearing Material**

the company **ACM Bearings Ltd.
Rotherham S63 6EX
United Kingdom**

has applied for the Shop Approval. On the basis of the results of checks regarding the company's production facilities and the qualification of the personnel in charge the above mentioned company is approved within the scope as follows:

Designation **L2 Marine**

Description **Fibre-reinforced plastic incorporating solid lubricants**

Normative Reference Rules for Classification and Construction
II - Material and Welding Technology
Part 2 - Non-metallic Materials
GL Rules for Hull Structures of Seagoing Ships, Section 14

Field of application

- Rudder Bearings
- Pintle Bearings
- Rudder Carrier Bearings
- Rudder Carrier Disk Bearings

Operational Limits Permissible surface pressure for Rudder Bearings:
5,5 MPa for $1,1 \leq h/d \leq 1,2$ and 10,0 MPa for $h/d \leq 1,0$
For intermediate values of h/d direct interpolation has to be applied.

Lubrication

- Wet
- Dry (only for Rudder and Pintle Bearings)

This Shop Approval is valid until 2011-03-31.

Hamburg, 2009-07-13


Sven Koller


Guido Michalek

Germanischer Lloyd