Maintenance And Repair Knowhow

Customer	Ship Repair Yard, France
Sector	Marine
Date	September 2011
Ref no.	20006

mark
SPECIALIST • APPLICATIONS

APPLICATION EXAMPLE

Repairs to bow thruster blades

Situation

The container ship dry docked for its two year refit and it was found that the stainless steel bow thruster blades had severe erosion. The owners wanted to extend the working life of the vessel by an additional three years.

Implication

The bow thrusters blades had cavitation damage close to the tips which left untreated would have eventually broke off causing loss of efficiency, and ultimately the associated steering problems.

Solution

As replacement was out of the question the blades were hand prepared using mechanical wire brushes and chemical wipes. The cavitation areas were taped out and filled with Resimac Ceramic 201 repair paste. Upon curing the blades were hand dressed back to profile ensuring efficient operation and extended life.

Facts

The bow thruster blades were close to being scrapped which would have incurred substantial cost. With established repair techniques the blades were repaired and returned to service which saved the owners a substantial expense.

Bersham Enterprise Park, Plas Grono Road, Rhostyllen, Wrexham LL14 4EG

t. **01978 262 838** | e. **info@ markspecialistapplications.co.uk** | markspecialistapplications.co.uk