

 SERVICE & REPAIR

CPP PROPELLER SERVICE & REPAIR

In addition to servicing other well known makes of CPP systems and Thrust units, Stone Marine Shipcare is the sole European service agent for the Nakashima Propeller Co Ltd of Japan. Full service and spares packages can be provided to ensure that overhaul and survey work is carried out to the correct standards, using approved spares and procedures.



Pinion bearings can be removed and the drive gears examined without dry docking the vessel.

If necessary, the complete unit can be removed from the tunnel (underwater, also) and overhauled in an engineering workshop.



Stone Manganese Marine is a name which has been synonymous with the design and manufacture of the highest quality propellers and stern gear for vessels of all sizes and categories since the earliest days of screw propulsion.

Stone Manganese Marine Shipcare has for many years, as part of the Stone Manganese Group, been providing the Shipping Industry with service and repair facilities which are second to none; a service which is available worldwide, 24 hours a day, 365 days a year.

Stone Marine Shipcare, as the company is now known, is part of the Stone Marine Group, a subsidiary of Langham Industries.



COMPANY PROFILE

Stone Marine Shipcare are specialists in the repair and servicing of propellers of all sizes and designs whether these are fixed (FPP) or controllable pitch (CPP) main propulsion units or fitted as part of a thruster system. The company is based at the Stone Group's Birkenhead headquarters from where their own teams of Engineers and Technicians are controlled, along with a worldwide network of service agents.

Stone Marine Shipcare customers benefit from the full range of expertise existing within the Stone Marine Group allowing their engineers and technicians to provide the very best solution for a given problem. Working within the group are highly trained specialists in hydrodynamics, metallurgy, propeller technology and naval architecture.

SERVICE & REPAIR

FPP PROPELLER SERVICE & REPAIR



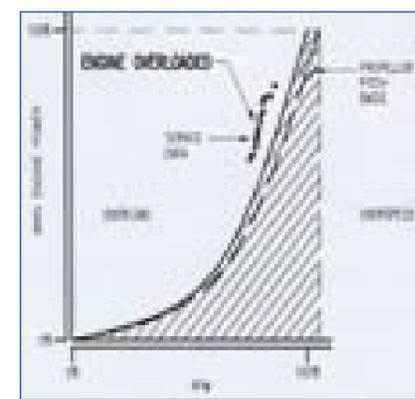
Stone Marine Shipcare fully recognises the importance of limiting the amount of time that a ship is out of service and, when in service, ensuring that it is working at the best possible propulsive efficiency. To this end the companies uniquely trained and highly experienced Engineers and Technicians are available at extremely short notice to work on vessels whether a ship is in dry dock or afloat.

The company's teams carry out the full range of repairs and modifications, up to the largest ever undertaken. Repair work ranges from straightening, cropping, welding, re-shaping, polishing and overhaul to part replacement, inspection and non-destructive testing. Modifications include those to existing propellers to alleviate engine overload, propeller imbalance, caused by damage, and other propulsion problems.

MODIFICATIONS AND SPECIAL PROJECTS

When in service the hulls of older vessels can become rough and fouled to the extent that the torque load imposed by the propeller on the main engine is dramatically increased. The resulting drop in propeller revolutions can reduce turbocharger efficiency and cause higher exhaust gas temperatures with the risk of damage to exhaust valves and cylinder liners. Suitable propeller modifications, often carried out afloat, allow the engine to operate within its normal tolerances with no appreciable loss in either propeller efficiency or cavitation performance.

Apart from propeller modifications, Stone Marine Shipcare specialists are available for consultancy work concerning new propeller acceptance, corrosion problems, supervising third-party repairers, blade failure analysis, tailshaft fitting, hydraulic press fits and expert witness work, to name but a few.



Service policy and quality control

Stone Marine Shipcare apply strict procedures to all work undertaken in order to ensure that it fully meets not only its own extremely high standards, but also those of the customer, equipment manufacturer, classification societies and other recognised international bodies.

Only fully qualified engineers and technicians carry out servicing and repair work and they are always able to call on full technical support from specialists at our Birkenhead headquarters.

Stone Marine Shipcare is accredited to BS EN ISO 9001:2000



Dry dock or afloat

Work can be carried out on vessels in dry dock and in many cases when afloat, possibly saving days, and avoiding expensive off-hire charges. While some afloat repair and service work will require the vessel to be suitably trimmed, many operations can also be carried out underwater and Stone Marine Shipcare have built up considerable expertise in this field.