
Engineering

Bearings and Seals

Repairs and replacement of all types of stern tube, rudder bearings and seals.

Cranes and Davits

BSE Cairns Slipways engineering personnel are adept in crane and davit repairs and rebuilds, as well as refurbishment.

General Engineering

We are familiar with all makes of propulsion systems and can rebuild or recondition these, as well as carry out pipe repairs and installation, repairs to bilge, ballast and fuel oil transfer systems.

Engine and Machinery Replacement

Agents for all main engine suppliers such as Cummins, MTU and Caterpillar are located close to the Slipways and we can provide assistance during main engine change-outs, re-engineering, repairs and maintenance.

Gearboxes

Repairs and replacements available for most makes of marine gear including ZF, Twin Disc, Reintjes and Mitsubishi.

Hydraulics

Our Engineers are well conversant with repairs and servicing of stabiliser systems, repairs and testing of air controls, repairs, retrofit and replacement of pumps rams, motor gearboxes and the upgrade of systems.

Hynautics

We have extensive experience in repairs and servicing of major brands of engine control systems such as Hynautics and Morse.

Pneumatics

Our capabilities extend to the repairs and maintenance of air start systems, air controls and air compressors.

Pressure testing

We use NATA traceable gauges to pressure test compartments, tanks, marine systems, pressure relief valves and marine system valves. Certification can also be provided.

Propeller Repairs and Re-builds

Computerised scanning is available with propeller re-pitching and rebuilds of up to 2400 mm diameter and static or dynamic balancing. Both fixed and variable pitch propeller repairs can also be carried out.

Shafts

Manufacture shafts, shafts surveying, straightening and crack testing. We have a shaft lathe capable of taking shafts of up to 8.5 metres.

Replacement Parts and General Machining

Our engineering team can manufacture replacement parts from materials such as stainless and nylon/plastic material to suit most vessels. We have a three (3) axis digital readout milling machine.

Water Jets

We have extensive experience in the installation of Kamewa, Castoldi, and Hamilton systems.