

PRECISION

ENGINEERING

PORTLAND, VIC

PORTLAND PRECISION ENGINEERING

P: (03) 5523 6155 M: 0427 527 328

- MAINTENANCE & REPAIR
- FABRICATION & INSTALLATION
- DESIGN, ENGINEERING & MANUFACTURING

www.portlandprecision.com.au

Fast response time - Quality workmanship - Superior value

Portland Precision Engineering has earned an outstanding reputation in the Southwest Victorian Engineering and Maintenance markets for consistently serving its clients with Responsiveness, Quality, Value and Innovation. We are a full-service company with Design & Engineering, Fabrication and Maintenance & Repair capabilities.

The Portland Precision workforce consists of trade certified Mechanical Fitters, Machinists, Boilermakers, Mechanics, Apprentices and Trades Assistants. We also employ Crane Operators, Riggers, and Plant & Equipment Operators. Also on staff are a Mechanical Engineer with AutoCAD proficiency and a Project Coordinator.

Portland Precision Engineering are critical to the regions industrial base providing preventive maintenance and urgent repairs to Facilities, Machinery, Equipment and Mobile Plant across several sectors including Timber/Fibre, Road Transport, Aluminium, Fertilizer, Wind Energy and Food Production.

Portland Precision counts several multi-national shipping companies as clients and have provided a wide range of services including hull repairs, crane repairs, custom pipe fabrication & installation, boiler repairs, pump repairs and hydraulic line refurbishment (further details on reverse side).



MAINTENANCE & REPAIR

Preventative Maintenance
On-Call/Urgent Repairs
Shutdown Planning & Management
Mobile Plant & Vehicle Maintenance
Labour Hire

FABRICATION & INSTALLATION

Welding (SAW, SMAW, MIG, TIG)
Machining, Milling, Boring, Slotting
Mechanical Fitting
Plant & Equipment Operation
Commissioning

DESIGN & ENGINEERING

Custom Design & Drafting
Planning, Cost Estimating
Financial Analysis
Product Development
Custom Manufacturing



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Portland Precision Engineering has over 25 years of experience servicing the Marine and Shipping Industry.

Pacific Basin Towage – Tugs Yarra and Flinders full mechanical overhaul and survey of both vessels

Overboard sea valves removed, stripped, inspected, remachined, lapped and reinstalled.

Main engine pumps (sea water, fresh water and oil) stripped, inspected and rebuilt with new seals, bearings and gaskets.

Main engine cylinder heads stripped, measured, pressure tested, valves ground and seats reset.

Engine liners removed, measured, lip machined and painted externally.

All pistons cleaned, measured, bearing journals measured, new bolts numbered and fitted, new big-end bearings fitted, all torques and deflections taken.

Both engines cleaned and reassembled to specifications.

Both auxiliary engines overhauled as above with the addition of new gudgeon pins and bushes.

General service centrifugal seawater pumps overhauled and modified to remove old stuffing box gland and mechanical seals installed.

Repairs to main engine sea water pipes. New auxiliary sea water pipes fabricated and a new bilge suction line fabricated and installed.

Air, water and oil end covers removed from heat exchangers and tube nests rodded and cleaned. End covers were Devcon repaired and coated with ceramic flow coat.

Full survey and measurement report provided to client.

Both vessels were previously overhauled and surveyed by Portland Fleet Maintenance in 2005.

ASP Ships Management – MV Portland regular maintenance on fortnightly dockings

Boiler overhaul and survey (currently in progress)

Water, air and hydraulic pipe repair and replacement

Hydraulic cylinder refurbishment

Water pump refurbishment (CP saltwater boiler feed)

Winch repairs (bushes, shaft and brakes)

Hull and structural crack repairs

Gangway replacement and repairs

Ballast tank frame repairs

Crane winch repairs

Numerous small scale projects

Other clients and vessels serviced in recent years

Wisdom Line - Bunun Justice

ASP Ships Management – Lindesay Clark, Vigsnes

Inco Ships - Torrens

Farstad Shipping – Lady Dawn, Lady Sandra

Mermaid Marine – Tug Mermaid Storm

Go Offshore – Go Altair, Go Capella

Monson Agency – Jascon 25 (SeaTrucks)

Sapura Clough – Norman Clough

Tidewater Marine

Total Marine

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