



Machining of propeller blade root

Wärtsilä Norway are masters at machining. With almost a hundred years of experience in the production and service of engine- gear- and propeller components, we are experts in this area. Wärtsilä Norway provides sophisticated in situ machining of components for propulsion installations in ships.

State-of-the-art equipment is used when carrying out these operations. The equipment is transported worldwide for bigger and smaller assignments, or the equipment is brought on board the ship while berthing at our Ship Services workshop at Rubbestadneset.

Application areas

The equipment at our disposal is very flexible to utilise. And our in situ team can undertake virtually any machining task the customer requires. Below are some examples of tasks.

Engine

- face grinding of sealing surface in engine block for cylinder liners
- face turning horizontally and vertically, e.g. when mounting anti-polishing ring in cylinder liners
- turning and lining of engine blocks on board
- turning and/or grinding of exhaust and air inlet valves and valve seats

- turning and/or grinding for oversized valve seats
- machining of sealing surface on cylinder covers

Propeller

- turning and/or grinding of sealing surfaces in propeller hub
- turning and/or grinding of propeller blade roots

Gearbox

- turning and lining of bearing housing

Efficiency

Components for propulsion plants are machined on board, thus avoiding unnecessary dismantling and transport action costs. This means lower repair costs and shorter downtimes.

Worldwide assignments

We have a group of specially trained service operators that travels worldwide at short notice for bigger or smaller in situ machining assignments. They have also received special training in most products delivered by Wärtsilä. If needed, our operators can also do the access job before in-situ machining can be performed.

Assignments at Wärtsilä Norway

Wärtsilä Norway can also perform in situ machining while other maintenance work is done in our modern Ship Services workshop at Rubbestadneset. We have a skilful staff of 120 operators who carry out Total Services in all areas on board the ship.



Machining of valve seats in cylinder head



Machining of inner guides in cylinder block



Grinding of valves

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