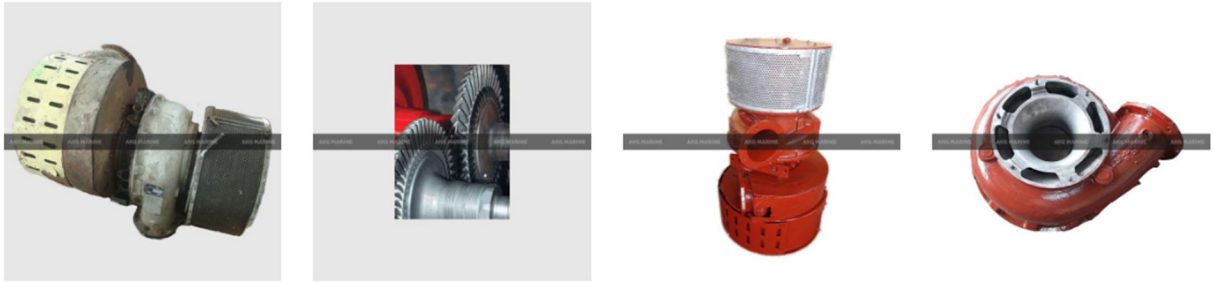


Marine Turbocharger



A sufficient supply of air results in fine combustion in a marine diesel engine. By changing the density of air entering the engine, the average output power of the entire engine can be significantly increased. This is done with the aid of a system known as a turbocharger,

Why Turbocharger is used?

In a non-turbocharged engine, such as a naturally aspirated automobile engine, the air is sucked within the engine by a low pressure region formed by the piston's downward stroke. However, this mechanism operates on a constant air inlet pressure that cannot be increased or decreased and is insufficient for full combustion.

Turbochargers are used to overcome this issue by providing a greater density of air to the engine. This makes turbochargers a forced induction system for marine diesel engines. This forced induced mechanism compresses the air and squeezes it into the cylinder of the engine, allowing a huge amount of fuel to enter. This not only increases power but also boosts the engines' power-to-weight ratio.

What is Marine Turbocharger?

Turbochargers are centrifugal compressors that use an exhaust gas turbine to increase charge air pressure in engines. All important engine parameters, including fuel efficiency, speed, and emissions, are influenced by turbocharger output.

A **marine turbocharger** is a device that boosts the intake air pressure of an internal combustion engine by coupling a compressor wheel and an output gas turbine wheel through a solid shaft. The exhaust gas turbine derives energy from the exhaust gas and uses it to power the compressor to eliminate friction. Both the compressor and the turbine wheel are radial flow in most automobile applications. An axial flow turbine wheel can be used instead of a radial flow turbine wheel in some applications, such as medium- and low-speed diesel engines.

AKG Marine for Turbocharger

AKG Marine is an authorized **Marine Turbochargers Supplier in Alang** and also it is the leading Exporter of all types of Ship Machinery and types of equipment.

If you're looking for good-condition used or unused **marine turbochargers** in the Philippines, **AKG Marine** is the place to go. We also sell used [ship spare parts](#) to Singapore, Dubai, the United Kingdom, and a number of other nations. From Ship Recycling Yard, Alang,

India, we are a retailer and exporter of all kinds of used and reconditioned Marine Machinery, [Navigation](#), and Electronics Equipments.

We have access to original manufacturer designs and details as an authorised parts dealer for most of the major manufacturers. This allows us to easily and accurately locate required spare parts and make timely deliveries. We can handle both domestic and foreign shipments with the help of our integrated express delivery operation.