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## Reconditioning of ABB VTR-354 Gas Inlet Casing



### Project details

Categories:	Cast Iron Casings Weld.Repairs, Marine Engine Parts Reconditioning
Date:	12/11/2016
Project Object:	ABB VTR-354 Turbocharger Gas Inlet Casing
Project Description:	Passenger RO-RO ferry, Main Engine Wärtsilä 16V32 Turbocharger casing Reco by welding method.
Repair Place:	Reneko workshop
Repair Time:	1 Week
Repair Cost:	30% from NEW item price.
Warranty:	Service warranty for repair was provided

### Description of work

Turbocharger ABB VTR-354 inlet gas casing was not possible to further use due to cracking in place of blocks grooves (typical wear mechanism). As a repair solution the cast-iron casing was subjected to welding repair directly in oven at very high temperature, by using certified nodular cast iron consumables with equivalent tensile strength. Such high temperatures welding method results by a homogenous and stress free welding joint.

Grooves were remachined during the post-machining as well as all contact surfaces were refreshed.

### After sale

The part is currently in operation.

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