

Case Title	Two 50DF Voyage Overhauls and leaking Cyl. Liners
Machinery Type	Wartsila 2 (x) W12V50DF
Achievement Date	March 2021









Project Details

One of our client's was facing a Cylinder Liner leakage on his Wartsila W12V50DF MGE, he was technically advised to remove the liners and send them to a shore-based workshop for rectification of the leaking from the worn-out slip ring. This would majorly increase the associated costs, negatively affect the environment due to the added transports and discarding of spares and of course affect the timeframe of completion of the overhaul.

Our company was tasked with conducting a Major overhaul and a Top overhaul combination for two separate Wartsila W12V50DF MGEs during the vessel's voyage, completing our routine tasks such as

- ✓ Cylinder head renewal
- ✓ Connecting Rod Bushes extraction and installation, in situ
- ✓ Peripheral components overhaul
- ✓ HPFO Pumps, Lub Oil, HT< pumps overhaul

And more.

Regarding the leaking cylinder liners, using Belzona 1111 and a three-step application process, we were able to retrofit the leaking Cylinder Liners within a period of 48 hours.

As always, measurements and detailed reporting was provided to the ship owners and the run-in testing of the MGE was completed yielding successful results.