



Armadora Pereira manage a fleet of 18 fishing vessels, operating in the Southern Atlantic (Namibia, Senegal, Falkland Islands, Argentina, etc.).



M/V ARGOS PEREIRA
ME Deutz 358
3000 HP – 375 rpm
Aux : 1 Volvo & 2 Deutz 528

M/V ARGOS GALICIA
ME MaK 453D
2500 HP – 600 rpm
Aux : Guascor

Partner of:



www.arvi.org

In December 2006, the company decided to start using the **Xbee** enzyme on two large vessels in its fleet: the *Argos Pereira* and the *Argos Galicia*.

By performing this experiment, **Armadora Pereira** wanted to evaluate the ability of **Xbee** technology to:

- ✓ reduce emissions of smoke, soot and harmful gases;
- ✓ reduce fuel consumption; and
- ✓ improve engine maintenance.

All the said in real-use conditions in a fishing zone considered to be one of the most difficult in the world.

In December 2007, an examination of the cylinder heads of the main engines and the auxiliary engines of the *Argos Galicia* revealed that the **Xbee** enzyme was beneficial in terms of both cleanliness and maintenance. The company decided to expand use to two further large vessels of the fleet, namely the *Argos Vigo* and the *Puente Sabaris*, with a plan for general use of **Xbee** throughout the whole fleet in 2008.



*M/V Argos Galicia et
M/V Puente Sabaris*

Engines and fuels guarantees:

α **Xbee** is recognized by some of the most important marine engines manufacturers.



α On the other hand, **Xbee** respects the European regulation EN 590 Diesel norm and CSR 500 IFO 380 norm.

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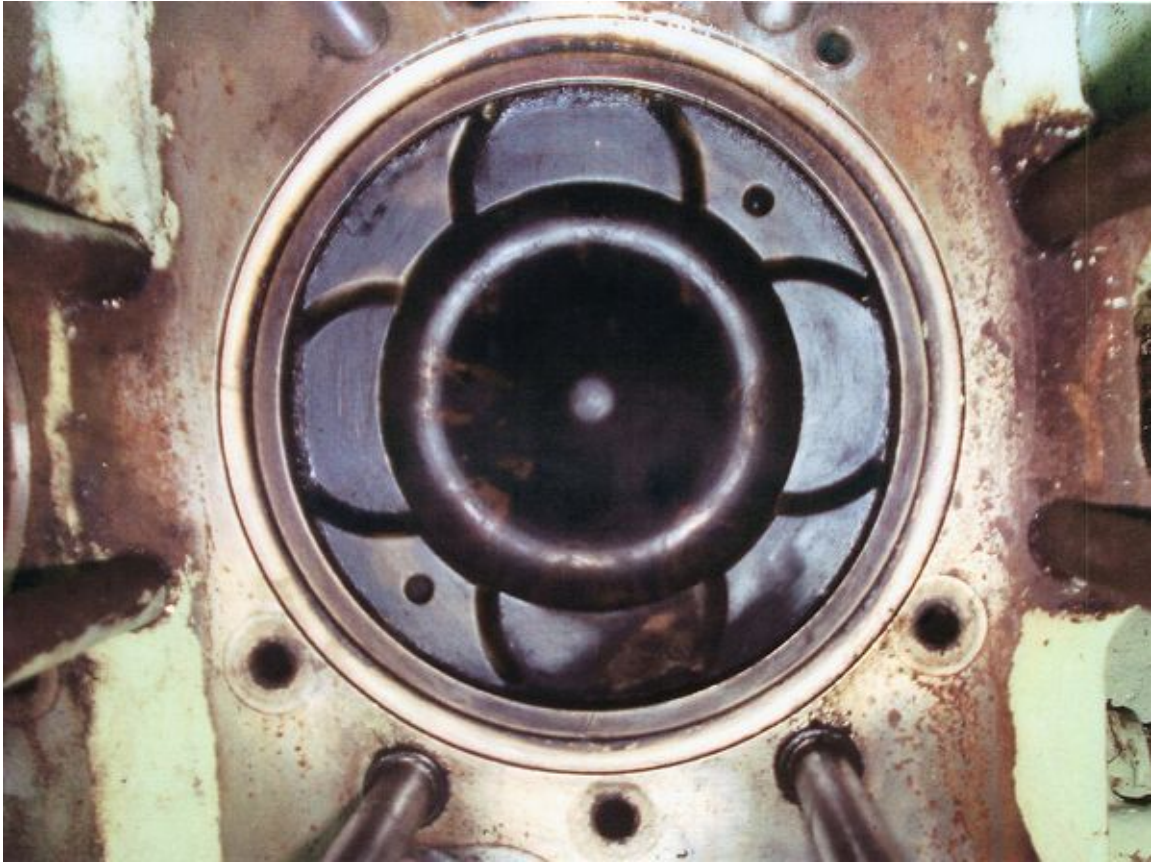
XBEE
Natural Fuel Additive

M/V Argos Galicia

Piston and valves
releasings.

Head gasket in really
good shape.

Main engine Mak 453D
at 15,000 hours.



M/V Argos Galicia

Main engine at 15,000
hours of use, including
ten months using the
Xbee biotechnology.

