



The company **Manuel NORES GONZALEZ**, (today known as **NORES Group** which includes the two companies **Pesquerias NORES MARÍN, S.L.** and **Pesquerias MANUEL NORES CANARIAS, S.L.**) has been founded more than 50 years ago, is operating in various fishing grounds (Nafo, Hatton Bank, Guinea Bisau, Senegal, South-western Atlantic...)

Today the fishing fleet is composed of 8 modern vessels.

At the end 2012, the fleet technical director Mr José Antonio NORES, decided to test the application of Xbee natural additive on board m/v Villa Nores, a 50 m long and 9,7 m wide trawler which operates in South-western Atlantic zone. The main engine is a Wärtsilä 9L20 and auxiliary is a Volvo Penta TAMD 165a.



At the end of one year of running on **Xbee** diesel oil, **J.A. NORES** delivers the following comments:
 × It has not been necessary to pull out and check the injectors during the whole year.

- Engine is clean of carbon deposits which is the sign of an improved combustion.
- It does not produce dark smokes loaded with particles anymore, which was the case previously.
- Fuel tanks keep clean of sludge.
- In the present conditions, we consider that engine has a better yield; this must have a positive impact on fuel consumption.

Further to this first positive experiment, it has been decided to extend the use of **Xbee** enzymatic additive on board two more vessels of the fleet:

- M/V Ivan NORES, a 49,3 m long and 9,5m wide trawler equipped with an ABC 6DZC-750-120 main engine and three Volvo Penta TAMD 122a auxiliary engines, as from september 2013.
- M/V Manuel Angel NORES a 72 m long and 12,50 m wide trawler equipped with a Wärtsilä 6L26A main engine and two auxiliary TAMD 165a engines, as from february 2014.

Engines and fuels guarantees:

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



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

Grupo Nores

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