



**Dragages Ports** is an active member of the ADPF – Association for the Development of French Ports.

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**DAMEN**

**DAMEN SHIPYARDS GORINCHEM**

**Dragages Ports** group decided to supply one of its largest vessels with **Xbee** fuel to preserve the ship equipments, to enhance their working and to preserve our environment.



*Daniel Laval*

Technical specifications of the *Daniel Laval* :

Built in 2002 in Vosta LMG/Izar, Gijon (Spain).

- Length: 104 meters
- Engines: 2 Wärtsilä 9L26A
- Total power: 5 650 Kw
- Fuel tank capacity: about 750 tons
- Loading capacity: 5,000m<sup>3</sup>

Since June 2006, after only a few months a clear exhaust smokes reduction was remarkable, also less plugging of the injectors and piston heads.



Extract from an endoscopic study by **Wärtsilä** dated on 3<sup>rd</sup> June 2008, representing the inside of a jacket . . . after 16,000 hours of work!

**The company confirms a neat fuel consumption economy of -7%.**

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.

**GIE Dragages Ports**

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