

WÄRTSILÄ FRANCE

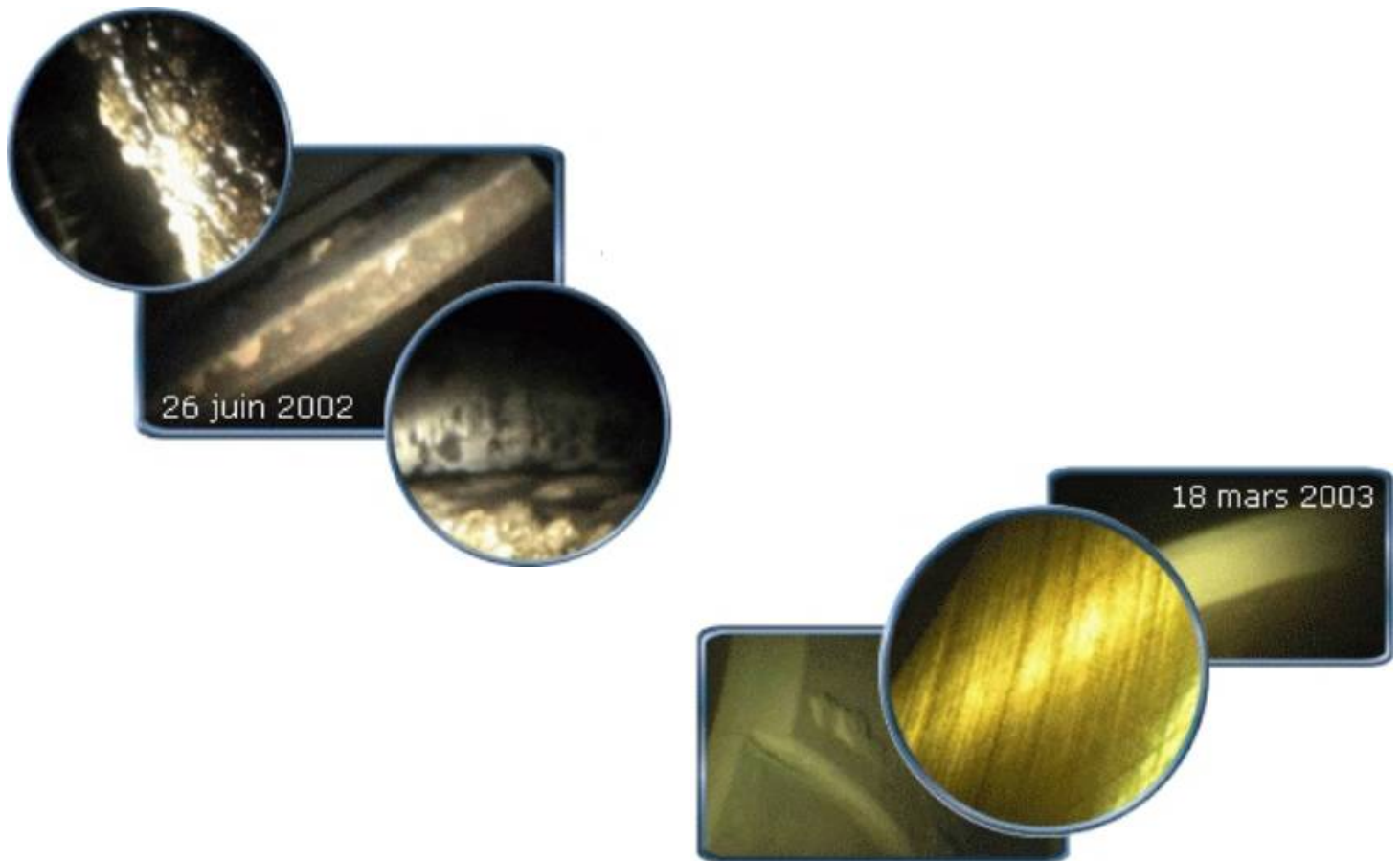
Wärtsilä France called in **Xbee** to test the curative properties of this biotechnology. The ship *Pierre Loti* had combustion problems in its starboard engine.

Two endoscopic studies were carried out in order to establish the precise consequences that the treatment could have on the problematic engine. On 26 June, 2002, an initial consultation was carried out to note the state of the engine before treatment. The second consultation was carried out on 18 March, 2003, the engine having undergone no intervention during the treatment.

In only eight-and-a-half months, **Xbee** was able to solve the *Pierre Loti*'s problems by thoroughly cleaning out the engine during normal use.

The engineers of the Finish engine manufacturer approve totally the enzyme and recommend the use of it to their customers.

Moreover, the laboratory **Anac Diagoparc** _ belonging to the group **TotalFinaElf** _ which "carried out a consistent analysis of the lubricant all through the trial" attests that the enzyme perfectly respects the alloys of the different parts of the engine.





X-tra, Export Trade.
Avenue de Bielefeld Senne

29900 Concarneau

O/REF: GGA/MBU/122/03

Surgères, on April 15, 2003

Object: *Result of the trial with the fuel additive "XBEE" in the engines A12150 SRHI N°15790/15791 belonging to the passengers boat "Pierre Loti".*

Copy: Mr. MOREAU, company Fouras Aix

Dear Sir,

We completed the trial of your product "XBEE" on the passengers boat "Pierre Loti" on the end of March. Please, take a look at the results we obtained.

Both propellant engines _ type A12150 SRHI _ N° 15790 & 15791 functioned in a very satisfying way during a year _ around 3,500 hours _ with this additive in the fuel.

We recall that we chose this way of treating the combustible aiming to eliminate the important carbon deposits due to functioning in low loads with numerous speed variations. The consequence of this functioning is the engines sticking after a prolonged stop.

We carried out a consistent analysis of the lubricant all through the trial which showed a carbon materials increase _ internal engine cleaning _ at the beginning of the treatment.

Please, find enclosed the two last oil analysis proving an excellent general behavior of the two engines.



At the end of the year of the trial period _ on the end of March 2003, we carried out an endoscopic examination of the cylinders and exhaust manifolds. It's turned out that we were very pleasantly surprised by the total lack of carbon materials on the piston crowns, cylinders faces, valve heads & tulips, cylinders heads and exhaust manifolds. The perfect cleanness of these parts enables us to conclude that the fuel additive we tested had a real effective effect on the improvement of both propellant engines' behavior by eliminating all the carbon materials.

For that reason we think to use such a fuel additive will improve the mechanical behavior and the useful life of the above mentioned parts. We _ Wärtsilä France Surgères _ agree to recommend to our customers the use of this fuel additive for our engine range POYAUD.

Sincerely yours,

G. GARCIA
After-sales service manager.



FOOTNOTE: Enclosed the CD-Rom and the digital tape recounting the endoscopic visit. Please, return the master tape to me, after you copied it.



Wärtsilä Finland Oy

Marine Solutions, MPS, RDE

Handled by
K Juoperi

Reference
LoNO XBee.doc

Date
16 May 2018

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XBee
Attn. Mr. Ronan Pennec

LETTER OF NO OBJECTION

Subject: Fuel additive

Brand: XBee

Dear Sir,

The information submitted to us of the above mentioned XBee / Soltron fuel additive has been evaluated by Wärtsilä. In consideration of the information You have disclosed to us concerning the composition and properties of this product, we have no objection to the use of this fuel additive in the following engine types:

Wärtsilä® 20, 26, 32, 38, 46, 46F, 64, Vasa 22, 22/26, 32/32LN and Sulzer ZA 40

No Objection for the use of the above mentioned fuel additive in other older Wärtsilä® engine types manufactured by Wärtsilä can be requested from Wärtsilä Services units being responsible for a particular engine type in question.

Based on the information received from XBee company, the additive can be classed as an ashless product being considered to be harmless for an engine. The additive treat rate is not considered to be harmful to the engine or its operation when used in terms of the given recommendations. Further, the fuel quality at engine inlet must meet the relevant Wärtsilä requirements under all operating conditions.

Wärtsilä does not assume any responsibility for the function of this additive and does not guarantee that e.g. improvements concerning reductions in the fuel consumption / emissions / engine component wear rate / deposit formation rate are achievable in the Wärtsilä® engine types mentioned above.

Wärtsilä disclaims any and all responsibility for damage or losses in case a customer uses the above mentioned fuel additive during the engine warranty period and thereafter.



Wärtsilä Finland Oy

Marine Solutions, MPS, RDE

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The supplying fuel additive company XBee along with other possible manufacturers and distributors of the product in question undertakes any and all responsibility for the performance of the fuel additive in service of Wärtsilä® engines listed above to the exclusion of any liability of Wärtsilä.

Nothing in this Letter of No Objection shall affect any rights of Wärtsilä or any company belonging to Wärtsilä group, neither shall this Letter of No Objection provide the XBee or other possible manufacturers and distributors of the product in question with any right or license under any patents, copyrights, trade secrets, or trademarks. XBee along with other possible manufacturers and distributors of the product in question shall honour and refrain from using or referring to the trademarks or trade names (as for example Wärtsilä®) owned or generally used by Wärtsilä and any company belonging to Wärtsilä group. XBee along with other possible manufacturers and distributors of the product in question is not allowed to use the name “Wärtsilä” in its reference list without the prior written consent of the authorized representative Wärtsilä.

The validity of this Letter of No Objection is confined to max. twenty four (24) months after the date of publication unless a further notice is given before that. Based on the gathered experience the validity can be extended after the expiry date. Wärtsilä shall at its sole discretion have the right at any time to withdraw this Letter of No Objection.

Yours faithfully,

Wärtsilä Finland Oy
Marine Solutions, MPS, R&D and Engineering



Kai Juoperi
Chief Expert, Engine Fluids

Wärtsilä Switzerland Ltd



Xbee
Attn.: Ronan Pennec
Avenue de Bielefeld Senne
29900 Concarneau
France

Your Reference / Date
Ihr Zeichen / Datum

Our Reference
Unser Zeichen
Rdr001

Direct Dialling
Durchwahl
Tel. +41 52 262 2478
Fax +41 52 262 0380

Date / Datum: 23.07.2009
Page / Seite: 1 / 1
Document: Rdr001/LONO Fuel Additive
Xbee.doc

Subject: Letter of no objection for Xbee Soltron fuel additive

Dear Sir,

In consideration of the information disclosed, concerning the composition and properties of the above mentioned product, we have no objection to the use of this fuel additive in all Wärtsilä two-stroke engines.

The above mentioned fuel additive is ash-less and expected not to be harmful for our engines.

Wärtsilä Switzerland Ltd. does not take any responsibility for the function of the additive and the product claims made.

Wärtsilä Switzerland Ltd. disclaims any responsibility for damage or losses in case a chemical fuel treatment was used during the warranty period.

At all times, the application must comply with Wärtsilä fuel specifications and fuel treatment requirements according to the valid Wärtsilä Installation, Maintenance and Operation manuals. The supplying fuel additive company is responsible for the performance of the fuel additive in service, to the exclusion of any liability of Wärtsilä Switzerland Ltd.

Yours faithfully,
Wärtsilä Switzerland Ltd



G. Weisser
Manager Engine Performance



R.K. Drijfholt
Fuels and Lubricants Expert