



# **RAPPORT :** **WÄRTSILÄ**





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Meilleur carburant,  
meilleures performances.  
Meilleure combustion,  
meilleures émissions.  
**XBEE** : naturellement meilleur.



## Contexte

Après une première expérience positive avec la filiale française, XBEE a contacté Wärtsilä Finland Oy afin de présenter la **Technologie des Enzymes XBEE** pour carburant.

Le responsable de du département des Fluides du groupe Wärtsilä, Kai Juoperi, a demandé une analyse du produit XBEE pur afin de prouver que le produit est bien inoffensif. Cette analyse a été réalisée par DNV Petroleum Services le 4 janvier 2008.

Le rapport démontre clairement que la technologie XBEE ne contient aucun produit chimique, ni alcools, ni acides, ni métaux, ni cendres. Par conséquent, la **Technologie des Enzymes XBEE** est considérée comme sûr pour une utilisation dans tous les moteurs Wärtsilä et moteurs associés.

Wärtsilä Finland Oy a publié une lettre de non-objection le 16 mai 2008. Cette lettre a ensuite été renouvelée régulièrement, et plus récemment le 7 août 2025.

# Annexes

## Lettre de non objection originale



Wärtsilä Finland Oy

Marine, PS, RDE

Handled by  
K Juopuri

Reference  
LoNO XBee.doc

Date  
07 August 2025

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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 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, 31, 32, 38, 46, 46F, 50, 64, 20DF, 31DF, 32DF, 34DF, 46DF, 50DF, 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.

Use of XBee fuel additive in Wärtsilä DF engine types is allowed only in the engines in which liquid (distillate / residual) fuel is used as a main fuel.

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.

Supersedes the revision c of the document dated 14 November 2022

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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.

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, Power Supply, R&D and Engineering

Kai Juoperi

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