LNG as fuel - Introduction Eiger-Nordwand

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I. Introduction

Danser Group has planned to retrofit the current pusher-barge combination Eiger-Nordwand with a dual fuel (LNG-diesel) engine. This will be the first container vessel and also the first retrofit to use a duel fuel engine. This document will give a first introduction of this project. A formal application for a derogation will be submitted to the January 2014 meeting of the Safety Committee.

II. Eiger-Nordwand

The Eiger-Nordwand is a pusher-barge combination (348 TEU) to be refitted with a dual fuel (LNG-diesel) engine. The LNG-fuel tank (60m³) is planned to be placed in the cargo area adjacent to the engine room. This will reduce the cargo area by about 6 TEU.

Loading and unloading operations are also foreseen to take place above the LNG fuel tank. Therefore the fuel tank will be protected by a reinforced structure capable of withstanding the impact of a falling container in case the container is not attached to the crane correctly.
LNG in de binnenvaart