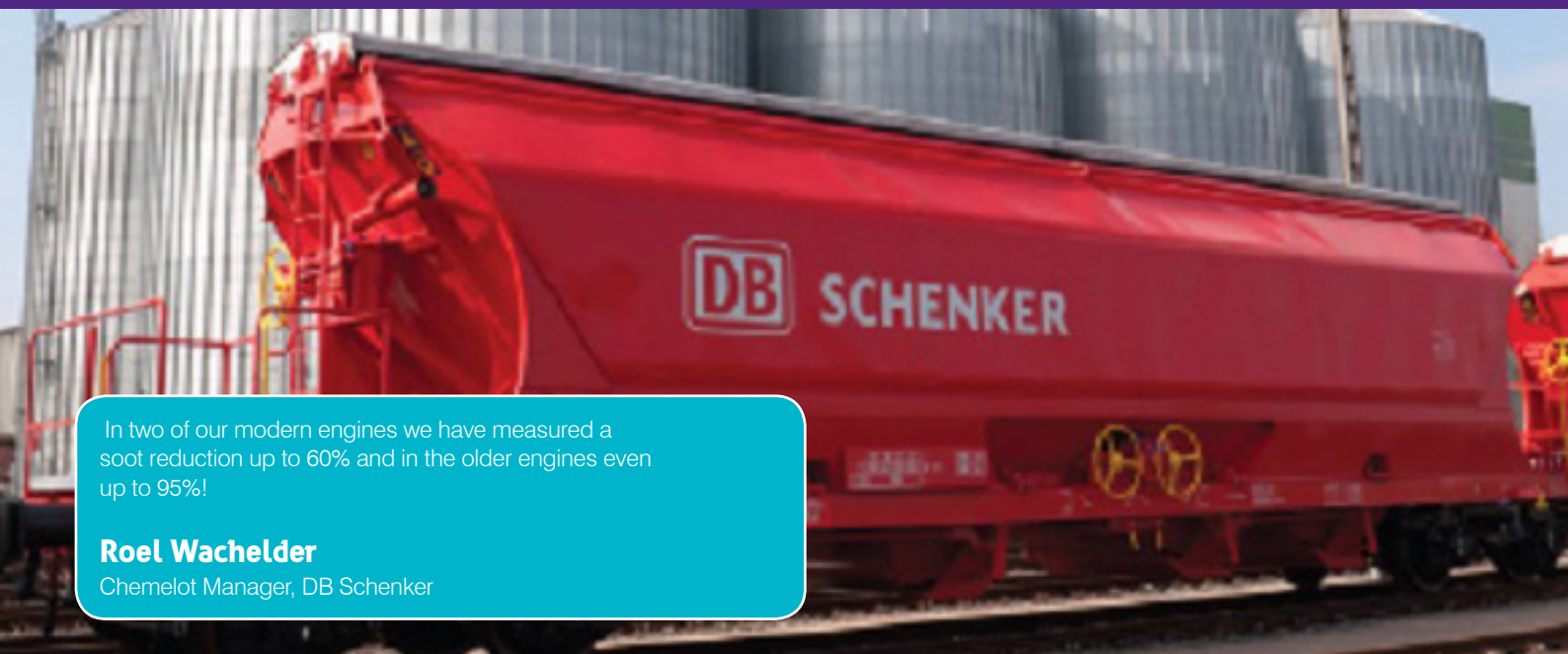


Switch to Shell GTL Fuel lowers costs, maintenance and soot at DB Schenker Rail



In two of our modern engines we have measured a soot reduction up to 60% and in the older engines even up to 95%!

Roel Wachelder

Chemelot Manager, DB Schenker

Introduction

DB Schenker provides rail transportation for the companies located in the Chemelot industrial park, Geleen, The Netherlands. With its locomotives, DB Schenker contributes to an extensive in - and out- going supply of goods from national companies like DSM, OCI and Sabic.

The challenge

CEO Aart Klompe explains the company's interest in Shell GTL Fuel: "With focused investments towards improving the local air quality where we operate, we are ready to switch a large share of the existing supply of goods from Chemelot park but also the harbor of Stein to cleaner rail transportation."

The solution

"The biggest advantage of Shell GTL Fuel to us is that it burns visibly cleaner than the regular diesel we used before. In particular, we notice that the exhaust soot (particulate matter) is less. We ran tests for nine hours, with support from Bemorail Ltd which helped with monitoring the test, and Van Abeelen APK which specialises in mobile inspection systems and emission measurement. The results have shown soot reduction in our modern engines up to 60% across the tested 2 locomotives and 2 robots compared to the regular diesel used before. In the older engines, we have measured results up to 95%!"

"Despite that Shell GTL Fuel is more expensive compared to regular diesel, it brings us a considerable cost advantage due to a reduction in maintenance. Until now, the usage and frequent maintenance of soot filters in our three shunting robots and three locomotives has been an ongoing expense and operational disruption. We always had to park an extra reserve robot as a backup which was not efficient. With the help of Shell GTL Fuel, the total maintenance savings on the six machines were about €75.000 for a period of one year compared to the regular diesel used before.

Furthermore, thanks to the cleaner burning Shell GTL Fuel we no longer use soot filters in any of our shunting locomotives and robots. As a result, we don't need to do filter regeneration any more (normally, we had to regenerate the soot filters frequently to make the combustion more efficient and avoid rising fuel consumption), which was a welcome surprise - a fuel cost saving of €15.000 over the same period of testing. This leads to cost reduction and less disturbance during our operational activities. At the same time, we can still meet the local emission limits!"

About Certas Energy

As the UK's largest independent distributor of fuel and lubricants, we operate a national network that delivers a competitive, responsive local service.

Shell GTL Fuel is exclusively available from Certas Energy in the UK.

Shell GTL Fuel is a gas-derived liquid fuel. It burns cleaner than conventional diesel so produces fewer local emissions and less visible black smoke. This is because it contains virtually no sulphur or aromatic compounds and has a high cetane number. Shell GTL Fuel can be used in existing vehicles and other equipment with heavy duty diesel engines without modification* and has been available in the UK since 2016.

For more information on how Certas Energy can support your journey towards lower emissions through alternative fuels such as Shell GTL Fuel contact us on.

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