

PROOF OF PERFORMANCE



Mobil Delvac 1 LE 5W-30

Fuel savings of more than 2 %

MAN trucks using Mobil Delvac 1 LE 5W-30 against a competitor 5W-30 engine oil

Haulage Company (incl. Workshop)

Location: Southern Germany

Background & Objectives

A German haulage company operating a fleet of 210 commercial vehicles (MAN, MB and Iveco) at 18 locations with affiliated workshops is constantly focuses on reducing its fuel consumption and minimizing its emission levels.

In comparison with its present choice of a SAE 5W-30 UHPD based synthetic oil, it is to be demonstrated that the use of Mobil Delvac 1 LE 5W-30 high-performance engine oil will provide higher fuel-saving potential.

Recommendation & Solution

Mobil Delvac 1 LE 5W-30 is recommended. The structural composition of this high-performance engine oil favors reduced engine friction and hence leads to a measurable decrease in fuel consumption and reduced oil temperature helping for a better oil performance retention. Excellent viscosity-temperature characteristics of Mobil Delvac 1 LE 5W-30 are also demonstrated by its outstanding cold-start behavior and reduced engine wear at high temperatures.

Results & Advantages

The measurement of the monthly distances travelled and fuel consumption levels for 8 MAN test vehicles show an **average savings of 2.1%** vs. the previous year's consumption figures. The vehicles' operating conditions and weather conditions were comparable.

In addition to outstanding cold-start behavior and extended service life of the engine through reduced wear, Mobil Delvac LE 5W-30 provides a **fuel savings-potential of more than EUR 1,250**, as well as a calculated CO₂ reduction of nearly 3 metric tons **per vehicle and year***.

A changeover of all 210 trucks could generate the potential for a total savings of approx. EUR 260,000

* Savings based on the assumption of an annual distance travelled of 200,000 km, average fuel consumption of previously 28 L/100 km and a diesel-price of 1,20 Euro/L net. CO₂ -Reduction calculated based on an emissionfactor of 2,65 kg CO₂/L Diesel-fuels (Source: DEKRA, Germany). The additional costs of Mobil Delvac 1 LE is taken into account in the calculation.



For more information on Mobil Delvac and other Mobil lubricants, visit www.mobildelvac.de or contact directly your nearest ExxonMobil Distributor:
Please click [>> ExxonMobil Distributor](#)

Mareika Sander, FES-CE
October 2012

