

## Mobil Delvac 1™ LE 5W-30 Engine Oil helps Danish Haulage Company Achieve Fuel Savings of an average 3.4 %

### Objective

Reduce Fuel Consumption and Lower Emission Levels

- Haulage Company: SPF Denmark A/S
- Location: 6600 Vejen, Denmark

### Situation and Objectives

SPF Danmark A/S is a haulage company based in Denmark operating a fleet of more than 145 vehicles. It was approached by the Mobil Authorized Distributor, OK a.m.b.a., with proposals to reduce fuel consumption and minimise emission levels. In comparison to its present choice of SAE 15W-40 engine oil, SAE 80W-90 gear oil and 80W-140 rear axle oil, it is to be demonstrated that the use of fully synthetic lubricants “from bumper to bumper” will provide potential for higher fuel savings and reduced emission levels.



### Recommendations and Solutions

For the engine, use of Mobil Delvac 1™ LE 5W-30 high-performance engine oil is recommended. Mobilube 1 SHC™ 75W-90 is recommended for the gear and Mobil Delvac SGO™ 75W-90 for the rear axle. With regard to a lubricant's ability to impact fuel economy, the most important single parameter is viscosity control. If the optimum viscosity is being utilised for each operating condition, then it will help minimise overall friction and reduce fuel consumption. Furthermore, viscosity can increase over time because of lubricant break-down and contamination. Soot particles, contaminants, and by-products of oil break-down can lead to oil thickening, which can potentially lead to reduced fuel economy and compromise wear protection. Hence, a lubricant must be specifically designed to resist thermal, oxidative, and soot induced thickening.



### Results and Benefits

The measurement of the monthly distance travelled during the January–September 2013 period and fuel consumption levels for one Scania test vehicle **show an average saving of 3.4% versus the previous eight months (prior to January 2013) consumption figures.** There was no significant change to the operating and weather conditions during the trial compared to the operating and weather conditions during the eight months prior. Based on these trial results, the use of ExxonMobil fully synthetic lubricants could provide 1,196 EUR fuel savings potential per vehicle in case of changeover of all 145 trucks. Hence, a theoretical CO<sub>2</sub> reduction of 455 tons per year\* can be calculated.

For more information on Mobil Delvac 1 and Mobil Delvac lubricants, visit [www.mobil.co.uk](http://www.mobil.co.uk) or directly contact your nearest ExxonMobil Distributor: Please click >> [www.mobil1.co.uk](http://www.mobil1.co.uk)

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