



KÜBLER SPEDITION

Mannheim, Germany

Kübler Spedition GmbH operates approximately thirty (30) trucks for heavy and extremely heavy road haulage, and in long-distance transport operations. These trucks can move weights up to 650 tons. Maximum traction is required by the trucks. In addition, a high degree of reliability is required for such difficult transports.

As an environmentally conscious company, Kübler Spedition GmbH attaches great importance to measures for the protection of the environment and for efficient resource management.



First test in 2016

Using XBEE Enzyme Fuel Technology, a green premium biotechnology based on plant enzymes, they have been able to reduce diesel oil consumption by up to 10 litres per 100 km, which represents savings up to 9%.

In order to be able to use the efficient and green XBEE premium technology in their entire fleet, they have been treating the transport company's petrol station since September 2017.

Results analysis

Bench testing to repeat the first good results

In addition to the successful efficiency test of XBEE Enzyme Fuel Technology it was important in the holistic approach for the transport company Kübler to carry out another test in the field of long-distance traffic.

For a higher credibility of the test, the truck, a MAN TGX18.480, was submitted to a performance and consumption test before treatment and after several months of driving with XBEE fuel treatment. An approved third party built a fuel consumption test to compare the specific fuel oil consumption (SFOC) in g/kWh.

The test was carried out on a MAHA3000-type truck chassis dynamometer in the Bosch Diesel Center Steinmetz near Würzburg.

With Diesel:

The initial measurement took place on April 13, 2017, giving a SFOC record over the entire speed range at 231 g/kWh.

With XBEE Diesel:

The final measurement took place on November 30, 2017, with an average SFOC at 216 g/kWh recorded over seven different loads. Final result shows a 6% reduction of the fuel consumption thanks to the XBEE enzymes.

	Without XBEE	With XBEE	Difference
Specific DO consumption (g/kWh)	231.0	216.5	-6.28%

The investment in the environmentally-friendly technology costs as little as 0.7%, and trucks reduce their energy footprint within a few weeks only. Moreover, engines stay clean and their shelf life is increased.

As a conclusion, the transport company Kübler reduced their diesel cost by a net 5.3%, and preserved the environment by reducing their exhaust emissions.

Sped. Kübler GmbH Karl-Kübler-Str. 1, 74545 Michelfeld-Erlin

Michelfeld, den 22.08.17

Ergebniss der Testphasen von dem Zusatz Xbee im Dieselkraftstoff

Testdaten Schwerlastzugmaschine 680 (Einsatz XBEE Enzym Bioadditiv ab Februar 2017)

Der Einsatz mit einer 2+6 Kombination mit 50to Ladung das entspricht einem Zuggesamtgewicht 139to. Es wurde auf derselben Strecke gefahren, mit denselben Bedingungen.

Ohne XBEE:

Verbrauch Dieselkraftstoff – 25.07.2017 bis 27.07.2017 793,6 km – 876,5 l Diesel

Ø 110,44 l / 100km

Mit XBEE:

Verbrauch Dieselkraftstoff – 30.05.2017 bis 01.06.2017 – 791,2 km – 793,5l Diesel

Ø 100,3 l / 100km

→Einsparung 9,2 %

Freundliche Grüße
Felix Mangold

SPEDITION KÜBLER GMBH
Michelfeld-Erlin
Felix Mangold