

Test result

Xenum

8141.198.08

Xenum - VX 500

Xenum – VX 500

Ceramic Ester Complex

description:	The product is a lubricant additive, which is added the lubricant circulation of a combustion engine. It reduces the friction in the motor and protect the aggregate from abrasion.
application:	7-10% to a motor oil.
dangerous evaluation:	see safety data sheet in the attachment
range of application:	lubricant circulation in the combustion engine
company:	Xenum –Techno Chemicals Blekersdijk 33A 9000 Gent Belgien
Test:	Test of effectiveness concerning reducing of friction

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The product Xenum VX 500 – Ceramic Ester Complex was tested and evaluated by TÜV Thüringen concerning lubricant neutrality and wear protection in the mechanical operating process. The packaging was evaluated according the law of device and product safety and the 1999/45/EG.

Packaging of the product

The packaging of the product is equivalent to the law of device and product safety and the 1999/45/EG.

Lubricant neutrality

The lubricant neutrality was tested by means of the test in the Shell four-ball tester DIN 51 350 part 4 (determination of welding load) durchgeführt. As the result of this test it was arrived at the conclusion that the welding load of the lubricant oil without additive (Universal motor oil 15W40 minerally – multigrade oil) was about 5,6 % lower than the lubricant with 10% additive VX500 added. It means, the additive don't impact the product effect of the used lubricant oil, defined by the manufacturer.

Reduction of friction in the mechanical working process

As the result of the wear test according DIN 51 834 part 2 is was detected that the product Xenum VX 500 Ceramic Ester Complex in the test cycle of 5 hours with a test load of 300 N generated a reduction of the frictional coefficient of $41\% \pm 1,3\%$. Due to the considerably reduction of friction in the mechanical working process can assumed that the product has a wear protection property as a basic principle.

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Certification of the product

Due to the determined test results the test mark “certified effectiveness” can be issued.

The determined effectiveness is:

- reduction of friction in heavy mechanical stressed working processes

Arnstadt, Nov 11th 2008



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TÜV Thüringen Anlagentechnik GmbH & Co. KG

attachment

Safety data sheet VX500