

REPUBLIC OF CROATIA

GOVERNMENT INSPECTORATE

10 000 ZAGREB , Ulica grada Vukovara 78

Class : 336-02/03-01/26  
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Zagreb, June 17, 2003



**FLEX - O**  
Korčulanska 1  
10 000 Zagreb

**SUBJECT : TESTING OF FLEX-O FORMULA FUEL TABLETS**

The Flex-O company, residing in Korčulanska 1, Zagreb , submitted to the Government inspection laboratory its product FLEX - O FORMULA containing the saving - up tablets, the rigid fuel additive, for testing purposes.  
FLEX-O formula is submitted in its original packing of five- unit packagings up to two red tablets which are to be put into the fuel tank.

The analysis of the submitted rigid samples as well as the analysis of fuel characteristics and the produced mixture of " fuel + Flex-O formula " were performed , also at the examination process the characteristics and qualities of Flex-O formula were used and the testing reports already done in testing laboratories in Great Britain , SAD and Canada.

According to the obtained test results it comes out that Flex-O formula tablet is the mixture of organic compound salts easily melted in petrol or diesel fuel.

By melting into the fuel , the mild efficacy appears on the fuel qualities .Using the test method ASTM D-130 it is confirmed that the mixture " fuel + Flex-O formula " DOES NOT RESULT IN CORROSION and accordingly IT IS SAFE FOR ALL TYPES OF ENGINES . It also has the capabilities of dispersion as it disperses about 80% of asphalten into benzinims and about 72 % into diesel fuels. It lowers the volume of insoluble particles in fuel for about 24% .

When the Flex-O formula tablets are directly exposed to sun or to strong source of heat, they change their structure and qualities .Consequently their effects are also changed .

The testings according to ASTM D-525 method in regard to the petrol has shown the reduction of induction time for about 40 % having as the consequence the cutting down of pitch in the storage spaces. The ASTM D-971 method has shown that by using these tablets the butt joint tension between the petroleum ( oil) and water droplets is lowered for about three times , resulting in quicker water separation from diesel fuel ( oil) At the same time

this property also starts operating on the great amount of droplets within the process of fuel atomization which is by that increased for about 23 % offering better fuel combustion .

By direct testing of mixture " fuel + Flex-O formula " used on the vehicles when the structure of gas is being tested, this mixture shows the decrease of damaging components in the exhaust gases and dependent on the type of vehicle it shows the reduction from 50 % to 62 % . Also it is recorded the diminution of fuel consumption , namely the increase of fuel efficiency at the passenger cars from 12,5 % up to 8 % , while at road vehicles it is from 5,5 % up to 4,48 % . It has to be pointed out that the testings have been performed under the working conditions at the chassis dynamometer ( table operation ) by constant use of movement velocity .

Systematically it can be established that Flex-O Formula saving-up tablets, rigid fuel additive submitted to the testing procedure can , without any fear, be used in all types of engines and for all types of fuel. Its activity cannot effect any failure on the engine, and it will help in a more efficacious manner at cleaning the engine out of formed layers and pitches, and by gradual burning out with fuel it might reach the optimal engine operation within the given conditions.

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**CHIEF INSPECTOR**

**BRANKO JORDANIĆ ( signed )**

( official seal )



I, KOVAČIĆ ASTA, permanent court interpreter and translator in and for the City of Zagreb, duly admitted and sworn by the Decree of the District Court of Zagreb, of June 21, 1893, do hereby attest and certify that the translation entirely corresponds to its original text issued in Croatian.

In witness whereof I have set my hand and put the official seal this 14<sup>th</sup> day of July, 2003 in Zagreb.

AK