

**95/4  
M 453C**

## **MaK Fuel Injektor Nozzles M 453 C**

In 1991, the MaK produced injection nozzle was used on the engine type M 453 C for the first time. Since then the nozzle has proven it's favourable effect on the combustion process and wear characteristics, due mainly to the special properties of the nozzle element. In our bulletin 2.91 our new nozzle and it's advantages were described.

We have noticed of late that there is an increasing tendency of other firms to offer nozzles for this engine type on the premise that they would offer comparable results. However examinations of such nozzles in our works have shown that these components do not offer the same technical know-how that is inherent in the MaK produced nozzles and consequently the spray patterns are not comparable.

### **Warning!**

**In the past, injection nozzles with imperfections and those wrongly applied, have resulted in damaged piston crowns and cylinder liners. In addition they have had a clearly definable adverse effect on the service life and durability of the combustion chamber components.**

The components in the injection system are carefully matched, therefore in the interests of the user, any work in this area should be undertaken with the utmost care and only original MaK parts should be used.

**The injection nozzles currently valid are inscribed with the following certification marks by MaK:**

cooled nozzles

**MaK D 2/2 and MaK D 4/2 (new)**