



**CLEAN FUEL:** Ron Kukler with his Gordon Institute Alumni award and his diesel injector, which he's been invited to demonstrate in the US.

Photo: PHILLIP STUBBS.

# Green fuel in demand

PETER BEGG

GEELONG engineer Ron Kukler has been invited to demonstrate his award-winning green diesel fuel injection system for the US military.

Mr Kukler said yesterday his fuel system was capable of meeting new emission standards for diesel engines due to be enforced in the US and Europe by 2010.

And because it operates with a separate fuel system for each cylinder, the US military saw advantages of Mr Kukler's device under battle conditions.

The Geelong engineer said the device worked under constant pressure and essentially gets rid of all the black soot from diesels emissions.

"We've spent 10 years developing this with Melbourne University and some very senior research scientists and our own organisation and we've got it down to an art and we know it works," Mr Kukler said.

"We know it's durable because we've done testing for a million miles."

Last year, Mr Kukler's ingenious device was joint winner of the prestigious Invention of the Year at

the Australian Design Awards.

The pocket-sized device is used on a one-unit per cylinder basis, so a six cylinder diesel would require six of the injectors, but at about \$10 each, conversion is still relatively cheap.

The other advantage of having separate fuel systems is if one is damaged the rest continue to operate independently — a feature which Mr Kukler said appealed to the US military.

"That's one of the features the armed forces are interested in," he said.

To find out more visit [www.greenDieselcorp.com](http://www.greenDieselcorp.com).