

# Macnaught Goes Green with New Biodiesel Range

Governments around the world are encouraging the production and consumption of biodiesel, with consumers choosing biodiesel blended fuel for a variety of reasons. These include reducing greenhouse gas emissions in response to the threat of climate change, providing an alternative to traditional fuels, promoting better community health and providing more jobs in local environments.

Biodiesel blends vary from as little as 5% (B5) to 100% pure (B100). The most common blends are B5, B20 and B100.

In Australia, a number of mining companies and transport fleets are now trialing B20 blends, and B5 and B20 blends are now becoming available at an increasing number of service stations around the country. Australian biodiesel consumption of around 60 million litres (ML) in 2007 represented approximately 0.4% of diesel fuel used in Australian road transport. The country currently has the capacity to produce nine times this amount and is well placed to handle the increasing demand of biodiesel with potential new sources of feedstock currently being investigated.

In light of the benefits of biodiesel and the increasing demand for it, Macnaught is proactively supporting the industry with the development of a biodiesel version of the DM100 fuel meter (DM100-01-BD) and the GT Rapidflo™ fuel pump (GT-01-BD). Both products are now available.



## TECH TALK

### Biodiesel Facts & Figures

- Rudolf Diesel, inventor of the diesel engine, originally designed it to be powered by vegetable oil. In fact, one of the first diesel engines ran on peanut oil.
- Biodiesel is derived from a wide range of oils and fats, with the main sources in Australia being tallow, used cooking oil and oil seeds
- Potential new sources of feedstock are being investigated including mustard seeds, oil bearing trees and algae
- With these new sources of feedstock, Australia's capacity to replace petrodiesel with locally-produced biodiesel could increase to 10–40%
- Biodiesel reduces greenhouse gases by 75% in comparison with diesel.
- It is estimated that if Australia were to have E10 (10% ethanol) and B20 (20% biodiesel) blends we would be saving 7.1 million tonnes of greenhouse gases each year

