



Environment Quality Division



## Fuel Quality Standards Act 2000

# CLEAN FUELS BULLETIN

15 October 2002

## UPDATE ON OPERABILITY STANDARDS FOR PETROL AND DIESEL

The Minister for the Environment and Heritage, the Hon Dr David Kemp, has amended the *Fuel Standard (Petrol) Determination 2001* and the *Fuel Standard (Diesel) Determination 2001* (the Petrol and Diesel Determinations) to incorporate new operability standards.

The following operability standards come into effect on 16 October 2002:

### Petrol operability standards

Fuel Parameter	Fuel grade	Specification	Referee Test Method
MON	PULP	85.0 (min)	ASTM D2700
	ULP	81.0 (min)	ASTM D2700
	LRP	82.0 (min)	ASTM D2700
Copper Corrosion (3 hrs @ 50°C)	All	Class 1 (max)	ASTM D130
Existent Gum (washed)	All	50 mg/L (max)	ASTM D381
Induction Period	All	360 minutes (min)	ASTM D525

### Diesel operability standards

Fuel Parameter	Specification	Referee Test Method
Carbon Residue (10% distillation residue)	0.2 mass % max	ASTM D4530
Water and sediment	0.05 vol % max	ASTM D2709
Conductivity @ambient temp	50 pS/m (Min) @ambient temp (only applies at terminals / refineries / major distribution centres)	ASTM D2624
Oxidation Stability	25 mg/L max	ASTM D2274
Colour	2 max	ASTM D1500
Copper Corrosion (3 hrs @50°C)	Class 1 max	ASTM D130
Flash point	61.5°C min	ASTM D93
Filter blocking tendency	2.0 max	IP 387
Lubricity	0.460 mm (max) (only for diesel containing less than 500ppm sulfur)	IP 450

A copy of the *Fuel Standard (Petrol) Amendment Determination 2002 (No. 1)* and the *Fuel Standard (Diesel) Amendment Determination 2002 (No. 1)*, which amend the Petrol and Diesel Determinations to insert the operability standards, will be available in the near future from Government Information shops, from [scaleplus.law.gov.au](http://scaleplus.law.gov.au), or by emailing [fuel.quality@ea.gov.au](mailto:fuel.quality@ea.gov.au).

As previously advised in the Clean Fuels Bulletin, due to legislative drafting issues, the following operability parameters, have not, at this stage, been put to the Minister for decision:

- for petrol: drivability index, flexible volatility index, colour and appearance (in relation to a drivability index specification, this is unlikely to be resolved until a decision is made on the maximum limit of ethanol in petrol.); and
- for diesel: appearance, acidity, cloud point and cold filter plugging point.

Note that when the above parameters are resolved a minimum of two months notice will be provided to industry of the implementation date.

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### **CONTACT DETAILS**

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