

LN156-E

L.N. 156 of 2000

Air Pollution Control (Motor Vehicle Fuel) (Amendment) (No. 2) Regulation 2000
(Made under section 43 of the Air Pollution Control Ordinance
(Cap. 311) after consultation with the Advisory Council
on the Environment)

1. Commencement

This Regulation shall come into operation on 1 January 2001.

2. Schedules substituted

Schedules 1 and 2 to the Air Pollution Control (Motor Vehicle Fuel) Regulation
(Cap. 311 sub. leg.) are repealed and the following substituted---

"SCHEDULE 1 [s. 2]

Specifications of Motor Vehicle Diesel

Any motor vehicle diesel shall---

- (a) contain not more than 0.035% by weight of sulphur as determined by ISO 14596;
- (b) have a cetane number of not less than 51.0 as determined by ISO 5165;
- (c) contain not more than 11% by mass of polycyclic aromatic hydrocarbons as determined by IP 391;
- (d) have a 95% distillation temperature of not more than 360°C as determined by ISO 3405; and
- (e) have a density at 15°C of not more than 0.845 kg/L as determined by ISO 3675.

Note: In this Schedule---

"ISO" followed by a numerical symbol ("ISO number") means the test procedures of the International Standards Organization commonly known by that ISO number;

"IP" followed by a numerical symbol ("IP number") means the test procedures of the Institute of Petroleum commonly known by that IP number.

SCHEDULE 2 [s. 2]

Specifications of Unleaded Petrol

Any unleaded petrol shall---

- (a) contain not more than 0.005 gram of lead per litre as determined by EN 237;
- (b) contain not more than 0.015% by weight of sulphur as determined by ISO 14596;
- (c) have a motor octane number of not less than 85 as determined by EN 25163;
- (d) have a research octane number of not less than 95 as determined by EN 25164;
- (e) contain not more than 1.0% by volume of benzene as determined by EN 12177;
- (f) have a Reid vapour pressure of not more than 60.0 kPa as determined by EN 12;
- (g) contain not more than 42.0% by volume of aromatic hydrocarbons as determined by

ASTM D1319;

(h) contain not more than 18.0% by volume of olefins as determined by ASTM D1319;

(i) (i) contain stabilizing agent if it contains methanol; and

(ii) in any event, contain not more than 3% by volume of methanol as determined by EN 1601;

(j) contain not more than 5% by volume of ethanol as determined by EN 1601;

(k) contain not more than 10% by volume of iso-propyl alcohol as determined by EN 1601;

(l) contain not more than 7% by volume of tertiary butyl alcohol as determined by EN 1601;

(m) contain not more than 10% by volume of iso-butyl alcohol as determined by EN 1601;

(n) contain not more than 15% by volume of ethers (containing 5 or more carbon atoms per molecule) as determined by EN 1601;

(o) contain not more than 10% by volume of other oxygenates as determined by EN 1601;

(p) contain not more than 2.7% by mass of oxygen content as determined by EN 1601;

(q) have not less than 46.0% by volume evaporated at 100°C as determined by ISO 3405; and

(r) have not less than 75.0% by volume evaporated at 150°C as determined by ISO 3405.

Note: In this Schedule---

"ASTM D" followed by a numerical symbol ("ASTM number") means the test procedures of the American Society for Testing and Materials commonly known by that ASTM number; "EN" followed by a numerical symbol ("EN number") means the test procedures of the European Standards commonly known by that EN number;

"ISO" followed by a numerical symbol ("ISO number") means the test procedures of the International Standards Organization commonly known by that ISO number."

Paul TANG

Acting Secretary for the Environment and Food

16 May 2000

Explanatory Note

This Regulation repeals and replaces Schedules 1 and 2 to the Air Pollution Control (Motor Vehicle Fuel) Regulation (Cap. 311 sub. leg.) in order to provide for more stringent standards on the specifications to be complied with by motor vehicle diesel and unleaded petrol.