



THE MINISTRY OF ENERGY (PETROLEUM PRODUCTS SPECIFICATIONS) REGULATIONS 1988, AMENDMENT NO. 3

CATHERINE A. TIZARD, Governor-General

ORDER IN COUNCIL

At Wellington this 21st day of November 1994

Present:

HER EXCELLENCY THE GOVERNOR-GENERAL IN COUNCIL

PURSUANT to the Ministry of Energy (Abolition) Act 1989, Her Excellency the Governor-General, acting by and with the advice and consent of the Executive Council, hereby makes the following regulations.

REGULATIONS

1. Title and commencement—(1) These regulations may be cited as the Ministry of Energy (Petroleum Products Specifications) Regulations 1988, Amendment No. 3, and shall be read together with and deemed part of the Ministry of Energy (Petroleum Products Specifications) Regulations 1988* (hereinafter referred to as the principal regulations).

(2) Except as provided in subclause (3) of this regulation, these regulations shall come into force on the 1st day of January 1995.

(3) Regulations 3 (4), 4 (3), and 6 (2) of, and the Second Schedule to, these regulations shall come into force on the 1st day of July 1995.

*S.R. 1988/303
Amendment No. 1: S.R. 1990/347
Amendment No. 2: S.R. 1991/197

2. Interpretation—Regulation 2 (1) of the principal regulations is hereby amended by omitting from the definition of the term “unleaded petrol” the expression “0.05”, and substituting the expression “0.013”.

3. Requirements relating to fuel sold by retail—(1) Regulation 3 (1) of the principal regulations is hereby amended by inserting, after the expression “(3),” the expression “(3A),”.

(2) Regulation 3 (1) of the principal regulations is hereby amended by revoking the proviso, and substituting the following proviso:

“Provided that those requirements shall not apply to any fuel that is to be used—

“(a) As an aviation fuel; or

“(b) For motor car racing; or

“(c) For jet boat and power boat racing; or

“(d) For motor cycle racing.”

(3) Regulation 3 (3) of the principal regulations is hereby amended by omitting the word “Unleaded”, and substituting the words “Regular grade unleaded”.

(4) Regulation 3 of the principal regulations is hereby amended by inserting, after subclause (3), the following subclause:

“(3A) Premium grade unleaded petrol shall have properties that conform to the limits specified in Schedule 2A to these regulations, when tested by the methods specified in that Schedule.”

4. Requirements relating to all fuel—(1) Regulation 4 of the principal regulations is hereby amended by revoking subclause (1), and substituting the following subclause:

“(1) The requirements imposed by subclauses (2), (3), (3A), and (4) of this regulation shall apply to all fuel supplied or available or intended for supply (whether by way of sale or otherwise) for any end use other than—

“(a) As an aviation fuel; or

“(b) For motor car racing; or

“(c) For jet boat and power boat racing; or

“(d) For motor cycle racing.”

(2) Regulation 4 (3) of the principal regulations is hereby amended by omitting the word “Unleaded”, and substituting the words “Regular grade unleaded”.

(3) Regulation 4 of the principal regulations is hereby amended by inserting, after subclause (3), the following subclause:

“(3A) Premium grade unleaded petrol shall have properties in respect of sulphur, lead, and benzene that conform to the limits specified in Schedule 2A to these regulations, when tested by the methods specified in that Schedule.”

5. Test procedures—(1) Regulation 5 (1) of the principal regulations is hereby amended by omitting the words “BS 7070, and BS 2869”, and substituting the words “BS EN 228, and BS EN 590”.

(2) Regulation 5 (2) of the principal regulations is hereby amended by omitting the words “First, Second, and Third”.

6. New Schedules substituted, etc.—(1) The principal regulations are hereby amended by revoking the First and Second Schedules, and substituting the new First and Second Schedules set out in the First Schedule to these regulations.

(2) The principal regulations are hereby further amended by inserting, after the Second Schedule, the new Schedule 2A set out in the Second Schedule to these regulations.

(3) The Ministry of Energy (Petroleum Products Specifications) Regulations 1988, Amendment No. 2 are hereby consequentially revoked.

7. Third Schedule amended—(1) The Third Schedule to the principal regulations is hereby amended by omitting the word “Sulphur”, and substituting the word “Sulphur²”.

(2) The Third Schedule to the principal regulations is hereby amended by adding the following footnote:

“²The limit for sulphur shall not apply to sales for marine use.”

8. Transitional provision relating to colour of regular grade unleaded petrol—Notwithstanding anything in these regulations or the principal regulations, during the period commencing on the 1st day of January 1995 and ending with the close of the 30th day of June 1995, regular grade unleaded petrol to which regulations 3 (3) and 4 (3) of the principal regulations apply may be coloured—

- (a) Yellow/orange; or
 - (b) Purple/bronze; or
 - (c) Any other colour that results from mixing yellow/orange and purple/bronze regular grade unleaded petrol.
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SCHEDULES

Reg. 6 (1)

FIRST SCHEDULE

NEW FIRST AND SECOND SCHEDULES TO PRINCIPAL REGULATIONS

Regs. 3 (2), 4 (2)

"FIRST SCHEDULE

REQUIREMENTS FOR LEADED PETROL

<i>Property</i>	<i>Limit</i>	<i>Test Method</i>
Research octane Number	96.0 minimum	ASTM D 2699
Motor octane Number	87.0 minimum	ASTM D 2700
Colour	Red	Visual
Percentage volume evaporated at 70 degrees Celsius (E 70)	25 minimum 45 maximum	} ASTM D 86
Percentage volume evaporated at 100 degrees Celsius (E 100)	45 minimum 67 maximum	
Percentage volume evaporated at 180 degrees Celsius (E 180)	90 minimum	ASTM D 86
End point (degrees Celsius)	220 maximum	ASTM D 86
Residue (percentage volume)	2 maximum	ASTM D 86
Flexible volatility index	77.5 minimum	} ASTM D 323 and ASTM D 86
[RVP (kPa) + (0.7 × E70)] ¹	115.0 maximum	
Copper strip corrosion (2 hours at 100 degrees Celsius)	Class 1 maximum	ASTM D 130
Sulphur (percentage mass)	0.15 maximum	ASTM D 1266
Existent gum (solvent washed) (mg/100ml)	5 maximum	ASTM D 381
Oxidation stability induction period (minutes)	240 minimum	ASTM D 525
Lead (grams per litre)	0.45 maximum	ASTM D 3341
Benzene (percentage mass)	5 maximum	DIN 51 413-02 or ASTM D 3606
Oxygenates (percentage mass) ²	0.1 maximum	DIN 51 413-01

¹ Specifications cover broad range of summer and winter grades.² Does not apply where the added oxygenate is methyl tertiary butyl ether (MTBE). Up to 11 percent volume MTBE may be added."

FIRST SCHEDULE—*continued*

NEW FIRST AND SECOND SCHEDULES TO PRINCIPAL REGULATIONS—*continued*

“SECOND SCHEDULE

Regs. 3 (3), 4 (3)

REQUIREMENTS FOR REGULAR GRADE UNLEADED PETROL

<i>Property</i>	<i>Limit</i>	<i>Test Method</i>
Research octane Number	91.0 minimum	ASTM D 2699
Motor octane Number	82.0 minimum	ASTM D 2700
Colour	Purple/bronze	Visual
Percentage volume evaporated at 70 degrees Celsius (E 70)	25 minimum 45 maximum	} ASTM D 86
Percentage volume evaporated at 100 degrees Celsius (E 100)	45 minimum 67 maximum	
Percentage volume evaporated at 180 degrees Celsius (E 180)	90 minimum	} ASTM D 86
End point (degrees Celsius)	220 maximum	ASTM D 86
Residue (percentage volume)	2 maximum	ASTM D 86
Flexible volatility index	77.5 minimum	} ASTM D 323 and ASTM D 86
[RVP (kPa) + (0.7 × E70)] ¹	115.0 maximum	
Copper strip corrosion (2 hours at 100 degrees Celsius)	Class 1 maximum	ASTM D 130
Sulphur (percentage mass)	0.05 maximum	ASTM D 1266
Existent gum (solvent washed) (mg/100ml)	5 maximum	ASTM D 381
Oxidation stability induction period (minutes)	240 minimum	ASTM D 525
Lead (grams per litre)	0.013 maximum	ASTM D 3116
Benzene (percentage mass)	5 maximum	DIN 51 413-02 or ASTM D 3606
Oxygenates (percentage mass) ²	0.1 maximum	DIN 51 413-01

¹ Specifications cover broad range of summer and winter grades.

² Does not apply where the added oxygenate is methyl tertiary butyl ether (MTBE). Up to 11 percent volume MTBE may be added.”

Reg. 6 (2)

SECOND SCHEDULE

NEW SCHEDULE 2A TO PRINCIPAL REGULATIONS

Regs. 3 (3A), 4 (3A)

"SCHEDULE 2A

REQUIREMENTS FOR PREMIUM GRADE UNLEADED PETROL

<i>Property</i>	<i>Limit</i>	<i>Test Method</i>
Research octane Number	95.0 minimum	ASTM D 2699
Motor octane Number	85.0 minimum	ASTM D 2700
Colour	Yellow	Visual
Percentage volume evaporated at 70 degrees Celsius (E 70)	25 minimum 45 maximum	} ASTM D 86
Percentage volume evaporated at 100 degrees Celsius (E 100)	45 minimum 67 maximum	
Percentage volume evaporated at 180 degrees Celsius (E 180)	90 minimum	ASTM D 86
End point (degrees Celsius)	220 maximum	ASTM D 86
Residue (percentage volume)	2 maximum	ASTM D 86
Flexible volatility index [RVP (kPa) + (0.7 × E70)] ¹	77.5 minimum 115.0 maximum	} ASTM D 323 and ASTM D 86
Copper strip corrosion (2 hours at 100 degrees Celsius)	Class 1 maximum	
Sulphur (percentage mass)	0.05 maximum	ASTM D 1266
Existent gum (solvent washed) (mg/100ml)	5 maximum	ASTM D 381
Oxidation stability induction period (minutes)	240 minimum	ASTM D 525
Lead (grams per litre)	0.013 maximum	ASTM D 3116
Benzene (percentage mass)	5 maximum	DIN 51 413-02 or ASTM D 3606
Oxygenates (percentage mass) ²	0.1 maximum	DIN 51 413-01

¹ Specifications cover broad range of summer and winter grades.² Does not apply where the added oxygenate is methyl tertiary butyl ether (MTBE). Up to 11 percent volume MTBE may be added."

MARIE SHROFF,
Clerk of the Executive Council.

EXPLANATORY NOTE

This note is not part of the regulations, but is intended to indicate their general effect.

These regulations—

- (a) Introduce technical requirements required to be met by premium grade unleaded petrol distributed in New Zealand from 1 July 1995; and
- (b) Amend the technical requirements required to be met by petroleum fuels (other than premium grade unleaded petrol) distributed in New Zealand from 1 January 1995; and
- (c) Require the colour of regular grade unleaded petrol to change from yellow/orange to purple/bronze during the period 1 January 1995 to 30 June 1995 and allow regular grade unleaded petrol sold during that period to be any colour that results from mixing yellow/orange and purple/bronze regular grade unleaded petrol; and
- (d) Update references in the principal regulations to test methods that have been superseded; and
- (e) Extend the exemption from the requirement to comply with the technical requirements in the principal regulations to fuel supplied for motor car, jet boat, power boat, and motor cycle racing; and
- (f) Correct an error in the definition of the term “unleaded petrol” in the principal regulations.

Issued under the authority of the Acts and Regulations Publication Act 1989.

Date of notification in *Gazette*: 24 November 1994.

These regulations are administered in the Ministry of Commerce.