REPUBLIC OF VANUATU

POLLUTION (CONTROL) ACT NO. 10 OF 2013

Vehicle Fuel Standards Regulation Order No. 216 of 2023

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REPUBLIC OF VANUATU

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In exercise of the powers conferred on me by paragraphs 27(2)(a), (c), (d) and (e) and subsection 27(3) of the Pollution (Control) Act No. 10 of 2013, I, the Honourable RALPH REGENVANU, Minister of Meteorology, Geological Hazards and Climate Change, make the following Order.

PART 1 PRELIMINARY MATTERS

1 Interpretation

In this Regulation, unless the context otherwise requires:

diesel means diesel fuel used for vehicles;

importer means a person who imports petrol or diesel into Vanuatu;

petrol means petrol fuel used for vehicles;

seller include retailer supplying petrol and diesel;

vehicle includes:

(a) tractors; and

(b) every type of wheeled transport.

PART 2 DIESEL FUEL

2 Diesel standard

The prescribed standard of diesel fuel for vehicle is set out in Table 1 of the Schedule.

3 Importers of diesel fuel

(1) A person who imports diesel fuel must provide to the Director the test report of the diesel fuel for each shipment within 1 month of each shipment.

(2) The testing report must include the details of the test for each parameter outline in Table 1 of the Schedule.

(3) The testing of diesel fuel must:

(a) be done using the testing method under Column 3 of Table 1 in the Schedule; and

(b) be perform by a certified laboratory approved by the Director.

(4) A person who sells diesel fuel, must ensure that the diesel fuel meets the prescribed standard set out in Table 1 of the Schedule.

(5) An importer or seller of diesel fuel must not discharge the fuel at a port if the diesel fuel does not meet the prescribed standards.

4 Random testing of diesel fuel

An authorised officer must carry out random test on diesel fuel 2 times a year to determine the amount of the substance specified under Column 1 of Table 2 in the Schedule.

PART 3 STANDARD FOR VEHICLE PETROL FUEL

5 Petrol standard

The prescribed standard of petrol fuel for vehicle is set out in Table 2 of the Schedule.

6 Importers of petrol fuel

(1) A person who imports petrol fuel must provide to the Director the test report of the diesel fuel for each shipment within 1 month of each shipment.

(2) The testing report must include the details of the test for each parameter outline in the Table 2 of the Schedule.

(3) The testing of petrol fuel must:

(a) be done using the testing method under Column 3 of Table 2 in the Schedule; and

(b) be perform by a certified laboratory approved by the Director.

(4) A person who sells petrol fuel, must ensure that the petrol fuel meets the prescribed standard set out in Table 2 of the Schedule.

(5) An importer or seller of diesel fuel must not discharge the fuel at a port if the diesel fuel does not meet the prescribed standard.

7 Random testing of petrol fuel

An authorised officer must carry out random test on petrol fuel 2 times a year to determine the amount of the substance specified under Column 1 of Table 2 in the Schedule.

PART 5 OFFENCE

8 Offence

A person who contravenes any provision of this Regulation is guilty of an offence punishable by a fine:

(a) if the person is an individual – by a fine not exceeding VT 1,000,000; or

(b) if the person is a body corporate – by a fine not exceeding VT 4,000,000.

9 Commencement

This Regulation commences on the day on which it is published in the Gazette.

Made at Port Vila this 15th **day of** November, **2023.**

REPUBLIC OF VANUATU
Minister of Climate Change,Adaptation Meteorolgy,Geohazards Environment & Energy
Ministre Du Climat Change, Adaptation Meteorologie Geologues, Environement Et Energie
REPUBLIQUE DE VANUATU

Honourable RALPH REGENVANU
Minister of Meteorology, Geological Hazards and Climate Change

SCHEDULE

Table 1 – Diesel Standard for Vehicles

Specification	Standard	Testing Method
Density at 15°C (kg/l)	0.820 minimum - 0.850 maximum	ASTM D1298 or ASTM D4052
Cetane index	46 Minimum	ASTM D4737
Cetane number	51 Minimum	ASTM D613 or ASTM D6890
Sulphur (mg/kg)	10 maximum	ASTM D5453
Distillation 95% volume recovered at (°C) (T95)	360 maximum	ASTM D86
Distillation volume recovered %@250 °C	65 maximum	ASTM D86
Distillation volume recovered %@350 °C	85 minimum	ASTM D86
Polycyclic aromatic hydrocarbons (% mass)	11% maximum	IP 391
Acid number	0.3 max	ASTM D664
Appearance	clear & bright, free from visible sediment & water	ASTM 4176
Ash (% mass)	0.01 maximum	ASTM D482
Carbon residue (on 10% distillation residue) (% mass)	0.2% maximum	ASTM D4530
CFPP (Cold filter plugging point) (°C)	-5 maximum	IP 309

Cloud Point (°C)	-1 maximum	ASTM 2500 or ASTM D5773
Colour	2.0 maximum	ASTM D1500
Copper strip corrosion (3 hours at 50°C)	Class 1 maximum	ASTM D130
Filter Blocking Tendency (FBT)	2.0% maximum	IP 387 or ASTM D2068
Flash point (°C)	66 minimum	ASTM D93
Lubricity – HFRR wear scar diameter at 60°C(µm)	460 maximum	IP 450 or ASTM D6079
Oxidation stability (g/m3)	25 maximum	ASTM D2274
Total contamination (mg/l)	20 maximum	ASTM D6217
Viscosity (mm per second at 40°C)	2.0 minimum - 4.5 maximum	ASTM D445
Water content (mg/ kg)	200 maximum	ASTM D95
Water & sediment (% volume)	0.05 maximum	ASTM D2709
FAME	No FAME added	

Table 2 – Petrol Standard for Vehicles

Specification	Standard	Test
Research Octane Number (RON)	95.0 minimum	ASTM D2699
Motor Octane Number (MON)	85.0 minimum	ASTM D2700
Lead (mg/l)	5 maximum	ASTM D3237 or ASTM D5059
Density @ 15 °C (kg/l)	Min 0.725 - 0.780 Max	ASTM D4052
Sulphur (mg/kg)	10 maximum	IP 497 or ASTM D5453
Percentage volume evaporated at 100°C (E100)	46 minimum	ASTM D86
Percentage volume evaporated at 150°C (E150)	75 minimum	ASTM D86
End point (°C)	210 maximum	ASTM D86
Residue (% volume)	2 maximum	ASTM D86
Vapour Pressure (DVPE) (kPa)	Minimum: 45 kPa Maximum: 75Kpa	ASTM D5191
Flexible Volatility Index [VP (kPa) + (0.7 x E70)]	96.0 maximum	Calculation
Colour	Not to be mistaken for water	Visual

Copper strip corrosion (3 hours at 50°C)	Class 1 maximum	ASTM D130
Silver corrosion (3 hours at 50°C)	Class 1 maximum	ASTM D4814
Doctor Test	Negative	ASTM D4952
Existent gum (solvent washed) (mg/100 ml)	4 maximum	ASTM D381
Oxidation stability induction period (minutes)	360 minimum	ASTM D525
Benzene (% volume)	1 maximum	ASTM 3606 or ASTM D5580
Total aromatic compounds (% volume)	45 maximum	ASTM D1319 or ASTM D5580
Olefins (% volume)	18 maximum	ASTM D1319
Ethanol (% volume)	1 maximum	ASTM D4815
Total oxygen (% mass)	1.0	ASTM D4815
Methyl tertiary butyl ether (% volume)	1.0 maximum	ASTM D4815
Phosphorus (mg/l)	1.3 maximum	ASTM D3231
No metallic additives added		