

Section 1 Preliminary

1.1 Title

1.1(1) This Rule is *Land Transport Rule: Omnibus Amendment 2008*.

1.1(2) This Rule amends the following Land Transport Rules:

- (a) *Land Transport (Driver Licensing) Rule 1999*;
- (b) *Land Transport Rule: Heavy-vehicle Brakes 2006*;
- (c) *Land Transport Rule: Operator Licensing 2007*;
- (d) *Land Transport Rule: Operator Safety Rating 2008*;
- (e) *Land Transport Rule: Passenger Service Vehicles 1999*;
- (f) *Land Transport Rule: Seatbelts and Seatbelt Anchorages 2002*;
- (g) *Land Transport Rule: Tyres and Wheels 2001*;
- (h) *Land Transport Rule: Vehicle Dimensions and Mass 2002*;
- (i) *Land Transport Rule: Vehicle Exhaust Emissions 2007*;
- (j) *Land Transport Rule: Vehicle Lighting 2004*;
- (k) *Land Transport Rule: Vehicle Standards Compliance 2002*;
- (l) *Land Transport Rule: Work Time & Logbooks 2007*.

1.2 Commencement

This Rule comes into force on [Date]¹.

¹ Commencement dates for each amended Rule have not yet been determined. These may vary.

Section 2 **Driver licensing**

2.1 **Amendments to *Land Transport (Driver Licensing) Rule 1999***

2.1(1) This section amends *Land Transport (Driver Licensing) Rule 1999*.

2.1(2) *Clause 2* is amended by inserting the following definition in the appropriate place:

“**self-drive agricultural machinery** means a motor vehicle (other than a trailer) that is designed or adapted principally or exclusively for agricultural purposes.”

2.1(3) *Schedule 3* is amended by:

- (a) inserting the following paragraphs relating to “Class 1” licence class:
 - “(c) any tractor with a gross laden weight of more than 4500 kg but not more than 18000 kg, if driven at a speed not exceeding 30 kph
 - “(d) a combination vehicle, consisting of a tractor towing a trailer, with a gross combined weight of not more than 25000 kg, if driven at a speed not exceeding 30 kph
 - “(e) any self-drive agricultural machinery with a gross laden weight of not more than 18000 kg, if driven at a speed not exceeding 30 kph.”
- (b) deleting the words “(including a tractor)” in paragraph (a) relating to “Class 2 and 2L” licence classes.

2.1(4) *Schedules 7A* and *8* are amended by inserting “Japan” in the appropriate places.

Section 3 Heavy-vehicle brakes

- 3.1 *Amendments to Land Transport Rule: Heavy-vehicle Brakes 2006*
- 3.1(1) This section amends *Land Transport Rule: Heavy-vehicle Brakes 2006*.
- 3.1(2) *Clause 1.2* is amended by substituting the following subclause for *subclause 1.2(4)*:
- “1.2(4) The applicable provisions in this Rule, for the purposes of specialist inspection and certification of heavy-vehicle brakes under *Land Transport Rule: Vehicle Standards Compliance 2002*, are in:
- “(a) 2.3(9A)(a); and
- “(b) 6.1(2)(a); and
- “(c) 7.1(3)(a), 7.1(3)(b), 7.2(3), 7.4(2)(b) and 7.5; and
- “(d) 8.1 except as provided in 8.2.”
- 3.1(3) *Clause 2.3* is amended by inserting the following subclause:
- “2.3(9A) Despite 2.3(9), the parking brake control of a Class TC vehicle may be fitted to the vehicle if:
- “(a) the vehicle is part of a dedicated combination and does not have an air brake or a brake that is operated with the assistance of compressed air; and
- “(b) the vehicle is fitted with a device that complies with 5.3(1); and
- “(c) the control is fitted in a readily accessible position; and
- “(d) the towing vehicle complies with 5.3(3).”
- 3.1(4) *Clause 3.4* is amended by substituting the following subclause for *subclause 3.4(1)*:
- “3.4(1) A powered vehicle, other than a passenger service vehicle first registered in New Zealand before 10 February 1978, must be fitted with a device that provides a continuous signal that is clearly visible or audible from the driver’s normal driving position if any of the service brake reservoirs to which pressure gauges must be fitted under 3.5 is below the minimum safe operating pressure.
- “[Note: “Minimum safe operating pressure” is defined in 3.8 below.]”
- 3.1(5) *Clause 3.5* is amended by substituting:
- (a) the following subclause for *subclause 3.5(1)*:
- “3.5(1) A passenger service vehicle first registered in New Zealand on or after 10 February 1978 must be fitted with at least one gauge that:
- “(a) is readily visible to the driver at all times from the driver’s normal driving position; and

- “(b) indicates, to the driver, the pressure in at least one service brake reservoir.”
- (b) the following subclause for *subclause 3.5(3)*:
- “3.5(3) A powered vehicle, other than a passenger service vehicle, must be fitted with at least one gauge that:
- “(a) is readily visible to the driver at all times from the driver’s normal driving position; and
- “(b) indicates, to the driver, the pressure in at least one service brake reservoir.”
- 3.1(6) *Clause 3.6* is amended by inserting the following subclause:
- “3.6(1A) The requirement for at least five full service-brake applications in *3.6(1)(a)* may be reduced to four for a vehicle that complies with the approved standard in *2.5(2)(a)* or *(b)*.”
- 3.1(7) *Paragraph 3.7(3)(a)* is amended by substituting the words “any service brake or parking brake reservoir(s)” for the words “any brake reservoir”.
- 3.1(8) *Paragraph 3.7(3)(b)* is amended by substituting the words “the service brake or parking brake reservoir(s)” for the words “the reservoir”.
- 3.1(9) *Subclause 3.7(4)* is amended by substituting the words “the service brake or parking brake reservoir(s)” for the words “the brake reservoir”.
- 3.1(10) *Clause 3.7* is amended by substituting the following subclause for *subclause 3.7(5)*:
- “3.7(5) If a vehicle to which *3.4* applies has more than one compressed-air service or parking brake circuit, a failure in any service or parking brake circuit that lowers the pressure in any service or parking brake reservoir below the minimum safe operating pressure, must not reduce the pressure in any other service or parking brake reservoir below the minimum safe operating pressure.”
- 3.1(11) *Section 3* is amended by inserting the following clause:
- “3.8 In this section, “minimum safe operating pressure” means:
- “(a) the minimum safe operating pressure specified by the vehicle manufacturer or brake manufacturer; or
- “(b) if no minimum safe operating pressure is specified by the vehicle manufacturer or brake manufacturer, 50% of the correctly adjusted cut-out pressure for the compressor-governor.”
- 3.1(12) *Clause 7.1(8)* is amended by substituting the words “between 55 and 80 kPa (inclusive)” for the words “not exceeding 80 kPa”.
- 3.1(13) *Clause 7.3* is amended by substituting the following subclause for *subclause 7.3(3)*:
- “7.3(3) For vehicles towing semi-trailers, the hoses connecting the towed and towing vehicles are to be:
- “(a) detachable at both ends; or

“(b) considered as:

“(i) part of the towing vehicle; or

“(ii) in the case of a B-train, part of the rear semi-trailer.”

3.1(14)

Section 8 is amended by inserting the following clause:

“8.2 Modifications that do not require specialist certification

“The following modifications do not require specialist certification:

“(a) an adjustment of the brake system for the purpose of complying with 7.1(8);

“(b) the replacement of an air brake coupling device on a powered vehicle for the purpose of complying with 7.3;

“(c) the fitting of an air brake coupling device to a powered vehicle for the purpose of complying with 7.3, that is carried out in accordance with the manufacturer’s recommendations;

“(d) the fitting of a valve to a powered vehicle to allow the parking brake of any towed trailer(s) to operate.”

3.1(15)

Part 2 is amended by inserting the following definitions in the appropriate places:

“**Dedicated combination** means a combination of vehicles certified for use in combination where both vehicles are affixed with a plate clearly and indelibly marked with the VIN or chassis number of the other vehicle.”

“**Vehicle identification number (VIN)** has the same meaning as in *Land Transport Rule: Vehicle Standards Compliance 2002*.”

3.1(16)

Part 3, Schedule 5 is amended by deleting:

(a) *clause 8.4(a)*; and

(b) *clause 9.4(a)*.

Section 4 **Operator licensing**

4.1 *Amendments to Land Transport Rule: Operator Licensing 2007*

4.1(1) This section amends *Land Transport Rule: Operator Licensing 2007*.

4.1(2) *Section 3* is amended by inserting the following clause:

“3.6 **Ambulance driver identification**

“3.6(1) An ambulance service operator must issue driver identification cards to ambulance drivers employed by that operator.

“3.6(2) The driver identification card may be issued for a period not exceeding five years and must:

“(a) contain a recent photograph of the driver; and

“(b) display either:

“(i) the full name of the driver; or

“(ii) a unique identifier, being a name comprising a combination of letters, with numbers assigned if required to distinguish duplicate names, so that they are:

“(A) sufficiently memorable to be easily recalled by users of the service; and

“(B) appropriate to identify the driver from other drivers in the service; and

“(c) display the expiry date; and

“(d) display any other information or material that may be required by the Agency.

“3.6(3) A person may not drive an ambulance unless the person is the holder of a current driver identification card issued under this clause.

“3.6(4) A person who drives an ambulance must produce his or her driver identification card without delay for inspection, on demand, by an enforcement officer.

“3.6(5) *Subclauses 3.6(3) and 3.6(4)* do not apply if:

“(a) the person driving is driving an ambulance in an emergency; and

“(b) either:

“(i) the emergency requires the licensed driver to perform other duties and it is impracticable for him or her to drive the ambulance; or

“(ii) the licensed driver is injured or otherwise unable to drive; and

- “(c) unless the licensed driver is unable to do so, the licensed driver has requested that person to drive in place of the licensed driver.”
- 4.1(3) *Subclause 4.2(9)* is amended by substituting the words “a left-hand” for the words “the front”.
- 4.1(4) *Subclause 6.1(2)* is amended by substituting the words “be on the road for the purpose of accepting a casual hire (whether the vehicle is cruising, stopped, standing or parked)” for the words “cruise for hire”.
- 4.1(5) *Subclause 6.1(4)* is amended by substituting the words “booked in advance” for the words “pre-booked”.
- 4.1(6) *Section 7* is amended by substituting the following clause for *clause 7.2*:
- 7.2 Driver identification**
- “7.2(1) A driver of a small passenger service vehicle that is not otherwise being operated in a taxi, shuttle, private hire, or ambulance service must comply with the requirements in 3.2.
- “7.2(2) A driver of an ambulance must comply with the requirements in 3.6.”
- 4.1(7) *Subclause 12.1(1)* is amended by inserting the following paragraph:
- “(m) a passenger service provided by the Department of Corrections for transporting lawfully detained persons and their escorts, provided that:
- “(i) the vehicle is designed or adapted to carry 12 or fewer persons (including the driver); and
- “(ii) the vehicle is owned and operated by the Department of Corrections; and
- “(iii) the only payment made by the passenger is for reimbursing the Department for the cost of running the vehicle.”
- 4.1(8) The definition of ‘dial-a-driver service’ in *Part 2* is amended:
- (a) by deleting the words “or any accompanying vehicle”; and
- (b) by substituting the words “for the transport of the passenger’s vehicle” for the words “vehicle transfer”.

“(ii) 660 mm when the backrest of the front seat is reclined to the maximum angle and the backrest of the rear seat is upright; or

“(iii) if (i) and (ii) do not apply, 650 mm.”

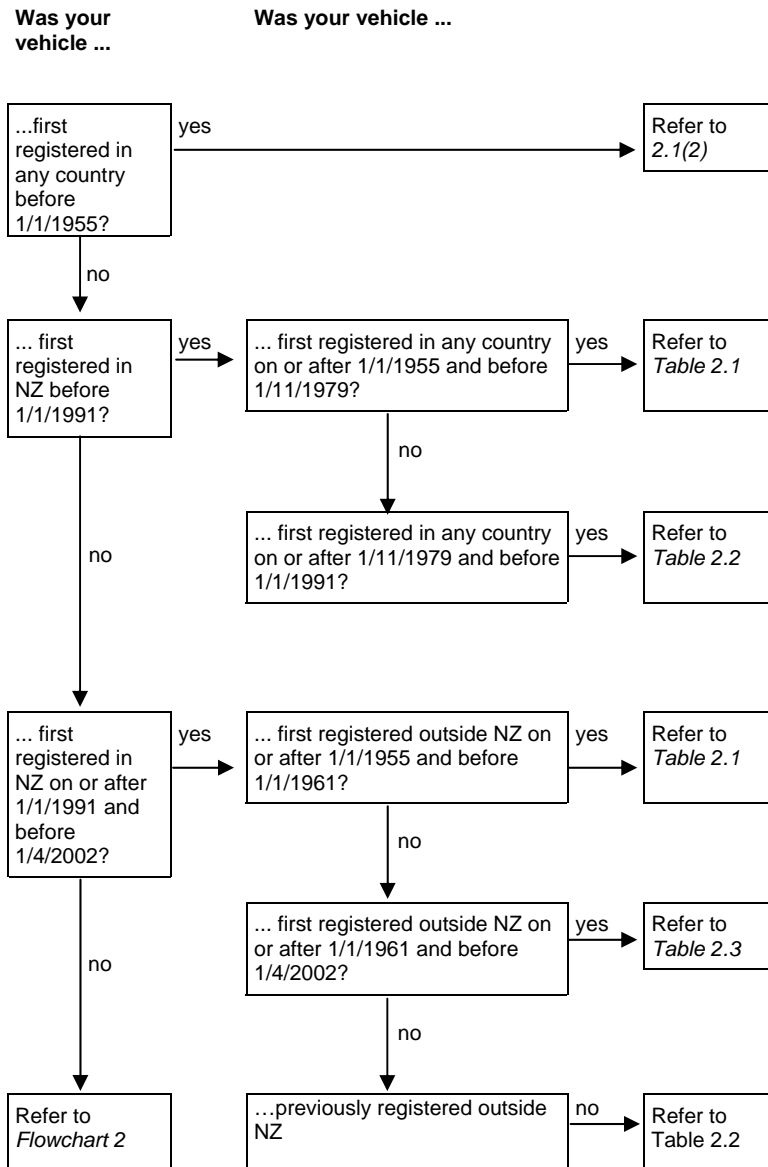
- 6.1(10) *Paragraph 5.5(1)(a)* is amended by inserting the words “unless the vehicle is a stretch limousine” after the word “high”.
- 6.1(11) *Subclause 9.1(1)* is amended by substituting the following paragraph for *paragraph (a)*:
“(a) for a vehicle with more than nine seating positions, the maximum axle and/or axle-set masses if available”.
- 6.1(12) *Subclause 9.2(3)* is amended by substituting the words “Where specified on the Certificate of Loading, the axle rating(s)” for the words “The axle rating allowed in the Certificate of Loading”.
- 6.1(13) *Part 2* is amended by inserting in the definition of “chassis rating” the words “if available” after the word “loads”.
- 6.1(14) *Part 2* is amended by inserting the following definitions in the appropriate place:
“**Child safety lock** means a safety device installed during the manufacture of the vehicle to prevent a door from being opened from the inside of the vehicle.”
“**Small passenger service vehicle** means a vehicle used or available for use in a passenger service for the carriage of passengers that is designed or adapted to carry 12 or fewer persons (including the driver).”

Section 7 Seatbelts and seatbelt anchorages

- 7.1 *Amendments to Land Transport Rule: Seatbelts and Seatbelt Anchorages 2002*
- 7.1(1) This section amends *Land Transport Rule: Seatbelts and Seatbelt Anchorages 2002*.
- 7.1(2) *Subclause 2.1(5)* is amended by substituting the following paragraph for *paragraph 2.1(5)(b)*:
- “(b) *Table 2.2* applies to a motor vehicle:
- “(i) first registered in New Zealand before 1 January 1991 that was first registered in any country on or after 1 November 1979 and before 1 January 1991; or
- “(ii) first registered in New Zealand on or after 1 January 1991 and before 1 April 2002 that was not previously registered in any other country.”
- 7.1(3) *Paragraph 3.2(3)(b)* is amended by deleting the word “lap”.

7.1(4) *Schedule 1* is amended by substituting the following flowchart for Flowchart 1:

Flowchart 1: Vehicles first registered in New Zealand before the Rule comes into force



Section 8 Tyres and wheels

8.1 *Amendments to Land Transport Rule: Tyres and Wheels 2001*

8.1(1) This section amends *Land Transport Rule: Tyres and Wheels 2001*.

8.1(2) *Clause 2.3* is amended by inserting the following subclause:

“2.3(13A) For tyres manufactured without moulded tread depth indicators, the tread depth must be not less than 1.5 mm across at least three-quarters of the width of the tread and around the entire circumference of the tyre.”

Section 9 Vehicle dimensions and mass

9.1 *Amendments to Land Transport Rule: Vehicle Dimensions and Mass 2002*

9.1(1) This section amends *Land Transport Rule: Vehicle Dimensions and Mass 2002*.

9.1(2) *Table 4.1* is amended by substituting the following for the row relating to “rear overhang”:

Rear overhang	
Heavy rigid vehicle	4.0 or 70% of wheelbase (whichever is less) for a vehicle whose rearmost axle is a non-steering axle 4.25 or 70% of wheelbase (whichever is less) for a vehicle whose rearmost axle is a steering axle
Articulated bus, heavy semi-trailer (other than a Class TC caravan trailer), heavy simple trailer, heavy pole trailer with one axle set	4.0 or 50% of forward distance (whichever is less)
Heavy full trailer, heavy pole trailer with two axle sets	4.0 or 50% of wheelbase (whichever is less)
Class TC caravan trailer that is a semi-trailer	4.0 or 65% of forward distance (whichever is less)
All other vehicles	4.0

9.1(3) *Part 2* is amended by inserting the following definition in the appropriate place:

“**Caravan trailer** means a trailer that is permanently equipped with features intended to make the vehicle suitable as a dwelling place, and must include at least one sleeping berth and one table, both of which may be of a design that allows them to be retracted or folded away.”

Section 10 Vehicle exhaust emissions

10.1 *Amendments to Land Transport Rule: Vehicle Exhaust Emissions 2007*

10.1(1) This section amends *Land Transport Rule: Vehicle Exhaust Emissions 2007*.

10.1(2) *Subclause 2.2(3)* is amended by deleting the words “or Class MC”.

10.1(3) *Part 2* is amended by:

(a) inserting the following definition of “ADR 79/02”:

“ADR 79/02 is an abbreviation for *Australian Design Rule 79/02, Emission Control for Light Vehicles.*”

(b) inserting the following definition of “Euro 2”:

“Euro 2:

(a) for a Class MA, MB, MC, MD1 or MD2 vehicle, means:

- (i) *UN/ECE Regulation No. 83, uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements (E/ECE/324E/ECE/TRANS/505/Rev.1/Add.82/Rev.1/Amend.2) incorporating the 03 series of amendments; or*
- (ii) *Council Directive 70/220/EEC as amended by Council Directive 94/12/EC; or*

(b) for a Class NA vehicle means:

- (i) *UN/ECE Regulation No. 83, uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements (E/ECE/324E/ECE/TRANS/505/Rev.1/Add.82/Rev.1/Amend.4) incorporating the 04 series of amendments; or*
- (ii) *Council Directive 70/220/EEC as amended by Council Directive 96/69/EC; or*

(c) for a heavy vehicle, means:

- (i) *UN/ECE Regulation No. 49 – uniform provisions concerning the approval of compression-ignition (CI) and natural gas (NG) engines as well as positive-ignition (PI) engines fuelled with liquid petroleum gas (LPG) and vehicles equipped with CI and NG engines and PI engines fuelled with LPG, with regard to the emissions of pollutants by the engine (E/ECE/324E/ECE/TRANS/505/Rev.1/Add.48/Rev.3),*

incorporating the 02 series of amendments, as per the limit values in row B of the Table in section 5.2.1; or

- (ii) *Council Directive 88/77/EEC of 3 December 1987 on the approximation of the laws of the Member States relating to measures to be taken against the emission of gaseous pollutants from diesel engines for use in vehicles, as amended by Council Directive 96/1/EC, as per the limit values in row B of the Table in section 6.2.1; and*

(d) for a diesel vehicle, also includes:

- (i) *UN/ECE Regulation No. 24, uniform provisions concerning:*
 - (A) *the approval of compression ignition (C.I.) engines with regard to the emission of visible pollutants;*
 - (B) *the approval of motor vehicles with regard to the installation of C.I. engines of an approved type;*
 - (C) *the approval of motor vehicles equipped with C.I. engines with regard to the emission of visible pollutants by the engine;*
 - (D) *the measurement of power of C.I. engine,*

(E/ECE/324E/ECE/TRANS/505/Rev.1/Add.23/Rev.2)
incorporating the 03 series of amendments; or

- (ii) *Council Directive 72/306/EEC of 2 August 1972 on the approximation of the laws of the Member States relating to the measures to be taken against the emission of pollutants from diesel engines for use in vehicles as amended by Council Directive 89/491/EC.”*

(c) substituting the following for the definition of “Euro 3”:

“Euro 3:

(a) means:

- (i) *UN/ECE Regulation No. 83, uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements*
(E/ECE/324E/ECE/TRANS/505/Rev.1/Add.82/Rev.2)
incorporating the 05 series of amendments, as per the limit values in row A of the table to clause 5.3.1.4; or

- (ii) *Council Directive 70/220/EEC as amended by Council Directive 98/69/EC as per the limit values in row A of the table to clause 5.3.1.4 of Annex I of 98/69/EC; or*
 - (iii) *UN/ECE Regulation No. 49 – uniform provisions concerning the approval of compression-ignition (CI) and natural gas (NG) engines as well as positive-ignition (PI) engines fuelled with liquid petroleum gas (LPG) and vehicles equipped with CI and NG engines and PI engines fuelled with LPG, with regard to the emissions of pollutants by the engine (E/ECE/324E/ECE/TRANS/505/Rev.1/Add.48/Rev.3/Amend.1), incorporating the 03 series of amendments, as per the limit values in row A or C of Table 1 and/or 2 (as appropriate), in section 5.2.1; or*
 - (iv) *Council Directive 88/77/EEC of 3 December 1987 on the approximation of the laws of the Member States relating to measures to be taken against the emission of gaseous pollutants from diesel engines for use in vehicles, as amended by Council Directive 1999/96/EC as per the limit values in row A or C of Table 1 and/or 2 (as appropriate), in section 6.2.1; or*
 - (v) *Council Directive 2005/55/EC of 28 September 2005 on the approximation of the laws of the Member States relating to the measures to be taken against the emission of gaseous and particulate pollutants from compression-ignition engines for use in vehicles, and the emission of gaseous pollutants from positive ignition engines fuelled with natural gas or liquefied petroleum gas for use in vehicles as per the limit values in row A or C of Table 1 and/or 2 (as appropriate), in section 6.2.1; and*
- (b) for a diesel vehicle, also includes:
- (i) *UN/ECE Regulation No. 24, uniform provisions concerning:*
 - (A) *the approval of compression ignition (C.I.) engines with regard to the emission of visible pollutants;*
 - (B) *the approval of motor vehicles with regard to the installation of C.I. engines of an approved type;*
 - (C) *the approval of motor vehicles equipped with C.I. engines with regard to the emission of visible pollutants by the engine;*
 - (D) *the measurement of power of C.I. engine,*

(E/ECE/324E/ECE/TRANS/505/Rev.1/Add.23/Rev.2)
incorporating the 03 series of amendments; or

- (ii) *Council Directive 72/306/EEC of 2 August 1972 on the approximation of the laws of the Member States relating to the measures to be taken against the emission of pollutants from diesel engines for use in vehicles as amended by Council Directive 97/20/EC.*
- (d) substituting the following for the definition of “Euro 4”:

“Euro 4:

(a) means:

- (i) *UN/ECE Regulation No. 83, uniform provisions concerning the approval of vehicles with regard to the emission of pollutants according to engine fuel requirements (E/ECE/324E/ECE/TRANS/505/Rev.1/Add.82/Rev.2) incorporating the 05 series of amendments, as per the limit values in row B of the table to clause 5.3.1.4; or*
- (ii) *Council Directive 70/220/EEC as amended by Council Directive 98/69/EC as per the limit values in row B of the table to clause 5.3.1.4 of Annex I of 98/69/EC; or*
- (iii) *UN/ECE Regulation No. 49 – uniform provisions concerning the approval of compression-ignition (CI) and natural gas (NG) engines as well as positive-ignition (PI) engines fuelled with liquid petroleum gas (LPG) and vehicles equipped with CI and NG engines and PI engines fuelled with LPG, with regard to the emissions of pollutants by the engine (E/ECE/324E/ECE/TRANS/505/Rev.1/Add.48/Rev.3/Amend.1) incorporating the 03 series of amendments, as per the limit values in row B1 or C of Table 1 and/or 2 (as appropriate), in section 5.2.1; or*
- (iv) *Council Directive 88/77/EEC of 3 December 1987 on the approximation of the laws of the Member States relating to measures to be taken against the emission of gaseous pollutants from diesel engines for use in vehicles, as amended by Council Directive 1999/96/EC as per the limit values in row B1 or C of Table 1 and/or 2 (as appropriate), in section 6.2.1; or*
- (v) *Council Directive 2005/55/EC of 28 September 2005 on the approximation of the laws of the Member States relating to the measures to be taken against the emission of gaseous and particulate pollutants from compression-ignition engines for use in vehicles, and the emission of gaseous pollutants from*

positive ignition engines fuelled with natural gas or liquefied petroleum gas for use in vehicles as per the limit values in row B1 or C of Table 1 and/or 2 (as appropriate), in section 6.2.1; and

- (b) for a diesel vehicle, also includes:
- (i) *UN/ECE Regulation No. 24, uniform provisions concerning:*
 - (A) *the approval of compression ignition (C.I.) engines with regard to the emission of visible pollutants;*
 - (B) *the approval of motor vehicles with regard to the installation of C.I. engines of an approved type;*
 - (C) *the approval of motor vehicles equipped with C.I. engines with regard to the emission of visible pollutants by the engine;*
 - (D) *the measurement of power of C.I. engine,*
(E/ECE/324E/ECE/TRANS/505/Rev.1/Add.23/Rev.2)
incorporating the 03 series of amendments; or
 - (ii) *Council Directive 72/306/EEC of 2 August 1972 on the approximation of the laws of the Member States relating to the measures to be taken against the emission of pollutants from diesel engines for use in vehicles as amended by Council Directive 97/20/EC.”*

- 10.1(4) Part A of Schedule 2 is amended by substituting the following for clause 2.0:
- “2.0 Diesel vehicles**
- “2.1 A diesel vehicle must be tested in accordance with:
- “(a) the procedures and equipment prescribed in Part C of this Schedule; or
 - “(b) the alternative procedure prescribed in Part D of this Schedule.
- “2.2 If a vehicle is tested in accordance with Part C, it must not exceed 25% opacity.
- “2.3 If a vehicle is tested in accordance with Part D:
- “(a) the first or second measurement must result in an optical absorption coefficient of less than 0.64m⁻¹; or
 - “(b) the average of three measurements must result in an optical absorption coefficient of less than 0.80m⁻¹.”

10.1(5) *Schedule 2* is amended by inserting the following Part:

“Part D – Alternative procedure for measuring exhaust emissions of diesel vehicles (using an opacimeter)”

1.0 Scope

This Part prescribes an alternative procedure for measuring vehicle exhaust smoke emitted from diesel engines.

2.0 Testing

2.1 Pre-testing

2.1.1 The vehicle must be brought to its normal operating temperature, as recommended by the vehicle manufacturer.

2.1.2 The equipment must be warmed up and calibrated before use, in accordance with the equipment manufacturer’s instructions.

2.1.3 The measuring probe (the exhaust gas sampling part of the measuring equipment) must be inserted sufficiently into the exhaust pipe to prevent open air from entering the pipe and ensure that only exhaust gas is sampled.

2.2 During testing

For the duration of the test:

- (a) the vehicle must be stationary; and
- (b) the handbrake must be applied; and
- (c) the vehicle’s transmission must be:
 - (i) in neutral; or
 - (ii) if the vehicle is an automatic, in park.

2.3 Operation of the vehicle while testing

2.3.1 During the test procedure, the vehicle operation cycle must follow these phases (refer to figure 11-2-2):

Purge

2.3.2 Residual smoke must be purged from the vehicle’s exhaust system before the vehicle’s diesel smoke is sampled.

Idling

- 2.3.3 The engine must be run at idle for five or six seconds.

Test cycle

- 2.3.4 The accelerator must be fully depressed and kept in this state for two seconds.
- 2.3.5 The accelerator must be released for three seconds. The exhaust emission must then be sampled during the five-second period that follows.

2.4 Measured values

- 2.4.1 One, two or three tests cycles must be performed as necessary.
- 2.4.2 If the result of measurement 1 is:
- (a) less than an optical absorption coefficient (OAC) of 0.64m^{-1} , the vehicle passes the test;
 - (b) more than an OAC of 0.64m^{-1} , the test cycle must be repeated.
- 2.4.3 If the result of measurement 2 is:
- (a) less than an OAC of 0.64m^{-1} , the vehicle passes the test;
 - (b) more than 0.64m^{-1} , the test cycle must be repeated.
- 2.4.4 If the average of the three measurements is:
- (a) less than an OAC of 0.80m^{-1} , the vehicle passes the test;
 - (b) more than an OAC of 0.80m^{-1} , the vehicle fails the test.
- 2.4.5 If the vehicle does not meet the prescribed standard after three test cycles, the vehicle fails the test.

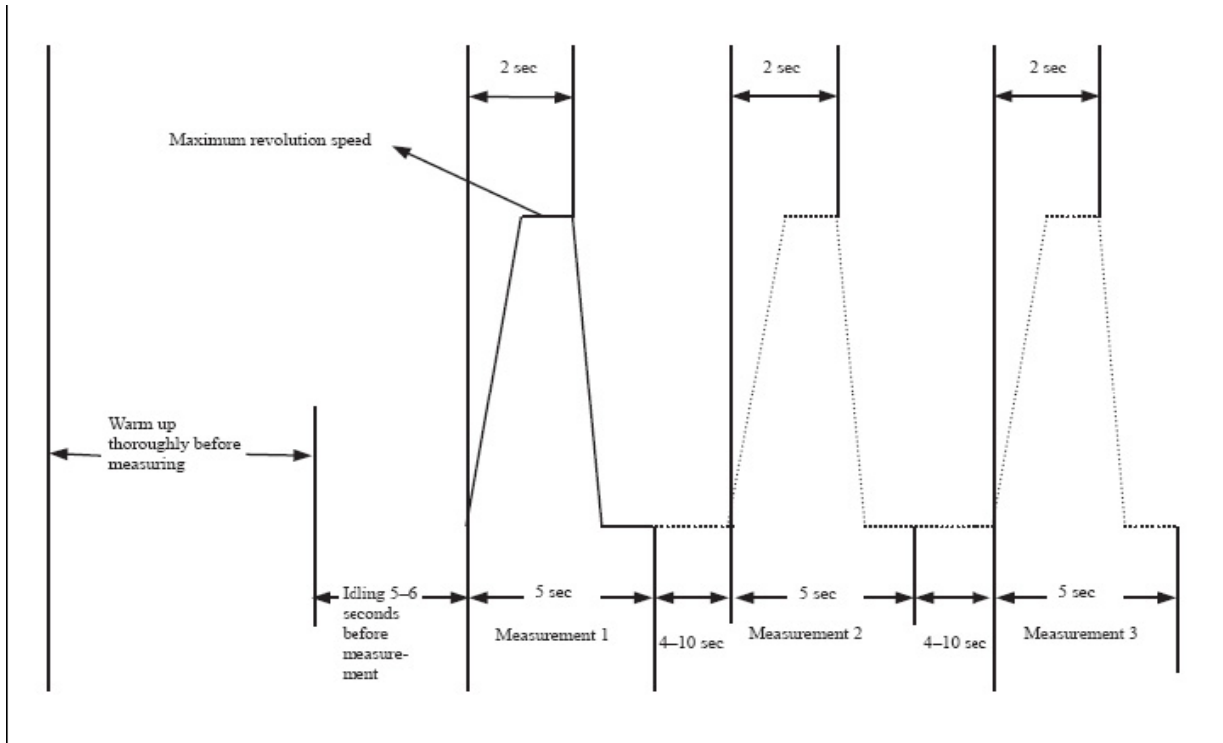


Figure 11-2-2 Diesel exhaust emission test vehicle operation cycle using an opacimeter”

Section 11 **Vehicle lighting**

- 11.1 **Amendments to *Land Transport Rule: Vehicle Lighting 2004***
- 11.1(1) This section amends *Land Transport Rule: Vehicle Lighting 2004*.
- 11.1(2) *Subclause 4.3* is amended by substituting the following subclause for *subclause 4.3(7)*:
- “4.3(7) A motor vehicle of Group T (other than one in Schedule 3) must be fitted with the following stop lamps at the rear of the vehicle:
- (a) one or two pairs of lamps, if the vehicle was registered in New Zealand on or after 1 January 1978 and the vehicle’s construction, equipment, loading or intended loading prevents the stop-lamp signals given by the towing vehicle from being seen from behind the vehicle combination;
- (b) one lamp or one or two pairs of lamps, if the vehicle was registered in New Zealand before 1 January 1978 and the vehicle’s construction, equipment, loading or intended loading prevents an arm signal given by the driver of the towing vehicle from being seen from behind the vehicle combination.
- 11.1(3) *Clause 6.3* is amended by inserting the following subclause:
- “6.3(6A) An unclassified motor vehicle (other than one in *Schedule 3*, or a forklift) may be fitted with two or four forward-facing direction-indicator lamps.”
- 11.1(4) *Subclause 6.3(8)* is amended by inserting the words “and in 6.3(6)” after the words “in 6.3(5)”.
- 11.1(5) *Subclause 6.3(17)* is amended by inserting the words “unless the approved standard applicable to direction-indicator lamps does not require such a device” after the word “device”.
- 11.1(6) *Clause 11.2* is amended by inserting the following subclause:
- “11.2(7) The following vehicles may be fitted with one or more blue beacons:
- (a) a vehicle operated by a Customs officer pursuant to *section 144* of the *Customs and Excise Act 1996*;
- (b) a vehicle operated by a fishery officer pursuant to *section 199* of the *Fisheries Act 1996*;
- (c) a vehicle operated by a ranger pursuant to *section 18* of the *Marine Reserves Act 1971*.
- 11.1(7) *Part 2* is amended by inserting the following definitions in the appropriate place:
- “**Customs officer** has the same meaning as in *section 2* of the *Customs and Excise Act 1996*.”

“**fishery officer** has the same meaning as in *section 2* of the *Fisheries Act 1996*.”

“**ranger** has the same meaning as in *section 2* of the *Marine Reserves Act 1971*.”

Section 12 Vehicle standards compliance

- 12.1 *Amendments to Land Transport Rule: Vehicle Standards Compliance 2002*
- 12.1(1) This section amends *Land Transport Rule: Vehicle Standards Compliance 2002*.
- 12.1(2) *Paragraph 7.1(1)(g)* is amended by substituting the words “a tractor, or a machine” for the words “a tractor or machine”.
- 12.1(3) *Subparagraph 7.1(1)(h)(i)* is amended by inserting the words “, to a farm or to an agricultural contractor” after the words “manufacturer’s agent”.
- 12.1(4) *Paragraph 8.3(3)(b)* is amended by substituting the following subparagraph for *subparagraph (i)*:
 “(i) gross vehicle mass, except for a Class MB, MD1 or MD2 passenger service vehicle; and”
- 12.1(5) *Subparagraphs 8.3(3)(c)(i)* and *(ii)* are amended by inserting the words “, if available” after the word “ratings” where it appears.
- 12.1(6) *Clause 10.7* is amended by substituting the words “, a certificate of loading or a record of determination” for the words “or a certificate of loading”.
- 12.1(7) *Subclause 11.3(1)* is amended:
 (a) by inserting the words “or a record of determination” after the words “or a conditional permit”; and
 (b) in *paragraph 11.3(1)(b)*, by inserting the words “or record of determination” after the words “or permit”.
- 12.1(8) *Clause 11.4* is amended:
 (a) by substituting the words “, a certificate of loading or a record of determination” for the words “or a certificate of loading”;
 (b) in *paragraph 11.4(b)*, by inserting the words “, record of determination” after the words “permit”.

Section 13 Work time and logbooks

13.1 *Amendments to Land Transport Rule: Work Time and Logbooks 2007*

13.1(1) This section amends *Land Transport Rule: Work Time and Logbooks 2007*.

13.1(2) The definition of "goods vehicle" is amended by:

- (a) substituting the word "heavy" for the word "light";
- (b) deleting the words "for hire or reward".