

# Transport for London LEC Eligible Engines List Guidance Notes

## Introduction

This list provides details of all Euro I or II certified engines (first registered before 1st October 2001) which have been approved by Transport for London (TfL) as being able to meet a Euro III for Particulate Matter standard, and so are potentially eligible for a Low Emission Certificate (LEC). This list has been compiled with the vehicle and engine manufacturers.

These engines will NOT meet the LEZ emissions standard in 2012, when the standard tightens to Euro IV for Particulate Matter. These vehicles would then have to be modified in order to continue to drive within the LEZ without charge, even if they continue to be in receipt of a Reduced Pollution Certificate (RPC) for Vehicle Excise Duty purposes.

It is the engine, not the vehicle, which determines the vehicle's emission certification. If the engine in your vehicle is on this list it is potentially eligible for a LEC, even if your vehicle's make and model is not identified on the list.

## Which Engines are on the List?

Eligible engines are manufactured by the vehicle and engine manufacturers listed below. If your engine manufacturer does not appear in the table below your engine will not be eligible.

Vehicle and Engine Manufacturers		Engine Manufacturers
Alexander Dennis	MAN	Caterpillar
DAF (Leyland DAF but not LDV)	Mercedes	Cummins
EvoBus	Renault Truck (but not Renault vans)	Detroit Diesel
Foden	Scania	
Isuzu Truck (not Isuzu vans)	Seddon Atkinson	
Iveco (Iveco Ford, but not Ford vans)	Volvo	
	Volvo Bus	

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# **Transport for London LEC Eligible Engines List**

## Guidance Notes

### **How to Identify Your Engine Details**

In order to identify whether your engine is potentially eligible, you will need to know details of the manufacturer and the complete model description. You can identify your engine make and model from the engine identification plate or manufacturer's documentation. A guide to where to find this information is available on the TfL website. Note that the engine manufacturer may be different to the vehicle manufacturer.

### **Finding Your Engine on the List**

To make it easier to find your engine, the list has been presented in two sections, sorted in different ways. Section 1 sorts the data by Vehicle Make and Model, giving the eligible engines known to be used in each vehicle model. Section 2 presents the engines sorted by Engine Manufacturer.

If your vehicle manufacturer is in the list of "Vehicle and Engine Manufacturers" above you should use Section 1. The vehicle make and model information in Section 1 is presented purely to help identify your engine more easily.

If your vehicle has an engine made by a different manufacturer to the vehicle, for example if it is built by a coach builder who fits an engine made by one of the vehicle or engine manufacturers you should use the list in section 2.

### **What to do if your engine is on the LEC Eligible Engines List**

#### **Owners of GB registered vehicles**

If your vehicle currently has a valid RPC you need take no further action in order to drive within the LEZ without charge, provided you still have a valid RPC when the LEZ Scheme commences. If the vehicle has had a valid RPC in the past (but this has now lapsed), and has one of the engines identified as "eligible for an RPC" in column 7 of the table it will be possible to book a RPC test and subject to the successful outcome of this, be issued with an RPC.

All other vehicles with engines on the LEC Eligible Engines list, but which do not qualify for a RPC, will need to obtain a LEC.

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Operators with engines on the eligible list will need to book an inspection with VOSA and subject to the successful outcome of this, will be issued with a LEC.

#### **VOSA checks**

VOSA will confirm that the vehicle has an engine which is on the Eligible Engines List, and meets any conditions indicated for that engine. If it is not on the list they will issue a Failure Notice and inform TfL.

They will then perform a Free Acceleration Smoke (FAS) test. The smoke test limit that must be met is indicated in the Eligible Engine list, and is based on the manufacturer's certified in service smoke limit. It will always be a lower value than the MOT smoke test value. Older vehicles whose emissions performance has deteriorated, or which are poorly maintained vehicles may not be able to pass this test. You must therefore ensure that you complete this test in good time in case you have to take alternative action to make your vehicle compliant with the LEZ emissions standards.

Vehicles which pass this test will receive a LEC or RPC and will be able to drive within the zone without being subject to the LEZ charge until this certificate expires. VOSA will inform TfL automatically that your vehicle has received a certificate so there is no need to register with TfL.

The Certificate is valid for 12 months after which the vehicle will need to be re-tested. This test can be scheduled at the same time as your annual MOT test. If the vehicle fails the VOSA test you will be issued with a Failure Notice and TfL will be informed. These vehicles will no longer meet the LEZ emissions standards and you will need to take further action to make the vehicle compliant or pay the daily charge.

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#### **Owners of vehicles registered in Northern Ireland**

Owners of vehicles which are eligible for an RPC can book a test with the Driver Vehicle Agency - Testing. The owner of the vehicle must then register the vehicle with TfL and send a copy of the certificate to TfL in order to drive within the LEZ. Owners of vehicles which have an engine on the Eligible Engine List, but which are not eligible for an RPC must register the vehicle with TfL and provide a manufacturer's type approval certificate showing the engine make and model.

#### **Owners of Non GB registered vehicles**

Owners of vehicles which have an engine on the Eligible Engine List, but which are not eligible for an RPC must register the vehicle with TfL and provide a manufacturer's type approval certificate showing the engine make and model.

#### **What to do if your engine is NOT on the Eligible Engine List?**

If your engine is certified to Euro II standard or earlier and is not on the Eligible Engine List, it will not meet the LEZ emissions standards without modification. Consult the LEZ website for other options on how to comply with the Low Emission Zone.

#### **Legal Disclaimer**

The information below has been provided for your guidance only, and has been submitted to TfL by third parties. The third parties are responsible for ensuring the material submitted to TfL is accurate and up to date. TfL will not be responsible for any error, omission or inaccuracy in the material and reserves the right to omit, suspend or change the position of any material submitted.



# LEC Eligible Engines List

## Section 1. Sorted by vehicle manufacturer.

This section lists the eligible engines alphabetically by vehicle make and model, with a separate page for each vehicle manufacturer.

Vehicle Manufacturers		Engine Manufacturers
Alexander Dennis	MAN	Caterpillar
DAF (Leyland DAF, but not LDV)	Mercedes	Cummins
EvoBus	Renault Truck (but not Renault vans)	Detroit Diesel
ERF	Scania	
Foden	Seddon Atkinson	
Isuzu Truck (not Isuzu vans)	Volvo	
Iveco (Iveco Ford but not Ford vans)	Volvo Bus	

If your vehicle is not manufactured by one of the vehicle manufacturers listed above, (for example a coach built by a coach builder who uses an engine made by one of the companies above) you should look at Section 2, which organises the list by engine manufacturer.

### How to Identify Your Engine Details

In order to identify whether your engine is potentially eligible, you will need to know exact details of the manufacturer and the complete model designation. You can identify your engine make and model from the engine identification plate or manufacturer's documentation. A guide to where to find this information is available on the TfL website.

### Finding Your Engine on the List

The vehicle make and model is presented purely to help you find your engine more easily. Matching the vehicle make and model (in blue, column 1 in the list) is not sufficient to be classed as eligible. The exact engine make and model (in green in column 2 and 3, and any special instructions in column 4) must all match exactly, since a vehicle model may use other different engines which are not eligible.

### Certification by VOSA

All engines on this list are potentially eligible for an LEC certificate following an inspection by VOSA. If the vehicle has, or has had, an RPC issued before 1<sup>st</sup> January 2001 it may be eligible for an RPC if indicated in column 5. During the VOSA inspection a smoke test will be performed, which is to a lower limit than the annual inspection test, which is given by the smoke limit set in column 6.



# LEC Eligible Engines List

For vehicles manufactured by: **DAF**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
<b>45 series</b>						
45.130	<b>Cummins</b> B Series B130 20 or 306 or CS97M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 01	
<b>55 series</b>						
55.230	<b>Cummins</b> B Series B235 20 or 342 or CS173M	No trap, standard exhaust fitted.	no	0.95 m <sup>-1</sup>	LE302 02	
<b>65CF</b>						
65CF.240	<b>DAF</b> NS 177M	No trap, standard exhaust fitted.	no	1.05 m <sup>-1</sup>	LE302 10	
<b>75CF</b>						
75CF.250	<b>DAF</b> PF 183M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 04	
	PF 183M - any fuel pump	Catalytic silencer fitted. See approvals 47 at RPC schedule C and note 6.	yes	0.40 m <sup>-1</sup>	RPD00 47	
75CF.290	<b>DAF</b> PF 212M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 05	
	PF 212M - any fuel pump	Catalytic silencer fitted. See approvals 46 at RPC schedule C and note 6.	yes	0.40 m <sup>-1</sup>	RPD00 46	
75CF.320	<b>DAF</b> PF 235M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 06	
	PF 235M with fuel pump 1392167	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 45	
<b>85CF</b>						
85CF.340	<b>DAF</b> XF 250M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 08	



# LEC Eligible Engines List

For vehicles manufactured by: **DAF**

<b>Vehicle</b>	<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>	
<b>Make / model</b>	<b>Engine Make Engine model</b>					
<i>note 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
85CF.340	<b>DAF</b> XF 250M with fuel pump 1386041 only	Catalytic silencer fitted. See approvals 40 at RPC schedule C and note 6.	yes	0.40 m <sup>-1</sup>	RPD00 40	
85CF.380	<b>DAF</b> XF 280M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 09	
	XF 280M with fuel pump 1386040 only	Catalytic silencer. See approvals 41 at at RPC schedule C and note 6.	yes	0.40 m <sup>-1</sup>	RPD00 41	
85CF.430	<b>DAF</b> XF 315M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 11	
	XF 315M with fuel pump 1386039 only	Catalytic silencer fitted. See approvals 42 at RPC schedule C and note 6.	yes	0.40 m <sup>-1</sup>	RPD00 42	
<b>95XF</b>						
95XF.340	<b>DAF</b> XF 250M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 08	
	XF 250M with fuel pump 1386041 only	Catalytic silencer fitted. See approvals 40 at RPC schedule C and note 6.	yes	0.40 m <sup>-1</sup>	RPD00 40	
95XF.380	<b>DAF</b> XF 280M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 09	
	XF 280M with fuel pump 1386040 only	Catalytic silencer fitted. See approvals 41 at at RPC schedule C and note 6.	yes	0.40 m <sup>-1</sup>	RPD00 41	
95XF.430	<b>DAF</b> XF 315M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 11	
	XF 315M with fuel pump 1386039 only	Catalytic silencer fitted. See approvals 42 at RPC schedule C	yes	0.40 m <sup>-1</sup>	RPD00 42	



# LEC Eligible Engines List

For vehicles manufactured by: **DAF**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	2	3	4	5	6	7
			and note 6.			
95XF.480	<b>DAF</b>	XF 355M	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 12
		XF 355M with fuel pump 1392169 only	Catalytic silencer fitted. See approvals 43 at RPC schedule C and note 6.	yes	0.40 m <sup>-1</sup>	RPD00 43
95XF.530	<b>Cummins</b>	N530E 20 (DAF VF 390)	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03
95XF.530	<b>DAF</b>	VF 390 (Cummins N530E 20)	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 07



# LEC Eligible Engines List

For vehicles manufactured by: **Dennis**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
<b>Alexander ALX200</b>						
Dart SLF	Cummins B130 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 01	
<b>Alexander ALX400</b>						
Trident 2	Cummins C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03	
<b>Berkhof Axial</b>						
Javelin	Cummins C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03	
<b>Caetano Nimbus or Compass</b>						
Dart SLF	Cummins B130 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 01	
<b>East Lancs Lolyne</b>						
Trident 2	Cummins C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03	
<b>East Lancs Spryte</b>						
Dart SLF	Cummins B130 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 01	
<b>Marcopolo Explorer</b>						
Javelin	Cummins C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03	
<b>Marshall Capital</b>						
Dart SLF	Cummins B130 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 01	
<b>Metsec</b>						
Lance	Cummins C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03	



# LEC Eligible Engines List

For vehicles manufactured by: **Dennis**

<b>Vehicle</b>	<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make Engine model</b>				
<i>note 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>
<b>Neoplan Transliner</b>					
Javelin	<b>Cummins</b> C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03
<b>Northern Counties President</b>					
Trident 2	<b>Cummins</b> C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03
<b>Plaxton Panther or Paragon</b>					
R Series	<b>Cummins</b> C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03
<b>Plaxton Paramount</b>					
Javelin	<b>Cummins</b> C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03
<b>Plaxton Pointer</b>					
Dart SLF	<b>Cummins</b> B130 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 01
<b>S C Coachbuilders Algarve</b>					
Javelin	<b>Cummins</b> C245 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 03
<b>Wright Crusader</b>					
Dart SLF	<b>Cummins</b> B130 20	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE302 01



# LEC Eligible Engines List

For vehicles manufactured by: **ERF**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number
Make / model	Engine Make Engine model				
note 1	2	4	5	6	7
<b>various</b>					
various	<b>Cummins</b> ISM 305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	ISM 340E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	ISM 380E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	ISM 410E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	ISM 440E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	ISM305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	ISM305E 21	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	ISM305ESP 22	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	ISM405E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	M11 M305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	M11 M305E 21	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	M11 M305ESP 22	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	M11 M340E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	M11 M380E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	M11 M405E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	M11 M410E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
	M11 M440E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18



# LEC Eligible Engines List

For vehicles manufactured by: **ERF**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	2	3	4	5	6	7
various	<b>Cummins</b>	M440E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 18
various	<b>Detroit Diesel</b>	6067 GK28/60/62	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 35-7
		6067 PK62	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 35-7
		6067 TK62	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 35-7
		CWC 0630/2/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 35-7



# LEC Eligible Engines List

For vehicles manufactured by: **EvoBus**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	2	3	4	5	6	7
<b>Mercedes / Setra</b>						
Coach	<b>Mercedes</b>	OM441 LA I/11 (250kW)	No trap, standard exhaust fitted.	no	1.70 m <sup>-1</sup>	LE303 03
		OM457 hLA II/6 (260kW)	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE303 01
		OM457 hLA II/7 (300kW)	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE303 11
		OM457 LA II/2 (260kW)	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE303 02
		OM457 LA II/3 (310kW)	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE303 10



# LEC Eligible Engines List

For vehicles manufactured by: **Foden**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
<b>2000 series</b>						
2235	<b>Cummins</b> B235 20	No trap, standard exhaust fitted.	no	0.93 m <sup>-1</sup>	LE301 10	
<b>3000 series</b>						
3275	<b>Caterpillar</b> 3126 ATAAC 275	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 01	
3300	<b>Caterpillar</b> 3126 ATAAC 300	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 02	
3300	<b>Cummins</b> C300 20	No trap, standard exhaust fitted.	no	1.26 m <sup>-1</sup>	LE301 13	
3305	<b>Cummins</b> M11 or ISM M305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19	
3340	<b>Caterpillar</b> C10 ATAAC 325 (340) ar 148-2058	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 44	
	C10 ATAAC 325 (340) EXCEPT ar 148-2058	No trap, standard exhaust fitted.	no	0.91 m <sup>-1</sup>	LE301 14	
3340	<b>Cummins</b> M11 or ISM M340E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19	
3350	<b>Caterpillar</b> 3176B or C10 ATAAC 350	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 08	
3350	<b>Cummins</b> L10 350E or L350E	No trap, standard exhaust fitted.	yes	0.80 m <sup>-1</sup>	RPD00 50-52	
3365	<b>Caterpillar</b> 3176B / 3176B ATAAC 365	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 05	
	C10 ATAAC 365 (380) ar148-2060	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 44	
	C10 ATAAC 365 (380) EXCEPT ar148-2060	No trap, standard exhaust fitted.	no	0.98 m <sup>-1</sup>	LE301 12	
3380	<b>Caterpillar</b> C10 ATAAC 365 (380) ar148-2060	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 44	
	C10 ATAAC 365 (380) EXCEPT ar148-2060	No trap, standard exhaust fitted.	no	0.98 m <sup>-1</sup>	LE301 12	



# LEC Eligible Engines List

For vehicles manufactured by: **Foden**

<b>Vehicle</b>	<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make Engine model</b>				
<i>note 1</i>	2	4	5	6	7
3380	<b>Cummins</b> M11 or ISM M380E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
<b>4000 series</b>					
4305	<b>Cummins</b> M11 M305E 20 or ISM 305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
4340	<b>Caterpillar</b> C10 ATAAC 325 (340) ar 148-2058	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 44
	C10 ATAAC 325 (340) EXCEPT ar 148-2058	No trap, standard exhaust fitted.	no	0.91 m <sup>-1</sup>	LE301 14
4340	<b>Cummins</b> M11 M340E 20 or ISM 340E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
4350	<b>Caterpillar</b> 3176B ATAAC 350	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 06
4350	<b>Cummins</b> L10 350E or L350E	No trap, standard exhaust fitted.	yes	0.80 m <sup>-1</sup>	RPD00 50-52
4365	<b>Caterpillar</b> 3176B ATAAC 365	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 07
4380	<b>Caterpillar</b> C10 ATAAC 365 (380) EXCEPT ar148-2060	No trap, standard exhaust fitted.	no	0.98 m <sup>-1</sup>	LE301 12
	C10 ATAAC 365 ar 148-2060	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 44
4380	<b>Cummins</b> M11 M380E 20 or ISM 380E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
4395/4400	<b>Caterpillar</b> C12 ATAAC 380 ar148-2099	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 38
	C12 ATAAC 380 EXCEPT ar148-2099	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 15
4405	<b>Cummins</b> M11 M405E 20 or ISM 405E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
4410	<b>Cummins</b> M11 M410E 20 or ISM 410E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
4440	<b>Cummins</b> M11 M440E 20 or ISM 440E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19



# LEC Eligible Engines List

For vehicles manufactured by: **Foden**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
4455	<b>Caterpillar</b> Caterpillar 3406E ATAAC 455	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 09	
<b>Alpha 2000</b>						
a2000	<b>Cummins</b> B235 20	No trap, standard exhaust fitted.	no	0.93 m <sup>-1</sup>	LE301 10	
<b>Alpha 3000</b>						
a3000	<b>Caterpillar</b> 3126 ATAAC 275	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 01	
	3126 ATAAC 300	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 02	
	3126B ATAAC 275	No trap, standard exhaust fitted.	no	1.52 m <sup>-1</sup>	LE301 03	
	3126B ATAAC 300	No trap, standard exhaust fitted.	no	1.32 m <sup>-1</sup>	LE301 04	
	3176B ATAAC 350	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 06	
	3176B ATAAC 365	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 07	
	C10 ATAAC 325 (340) ar 148-2058	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 44	
	C10 ATAAC 325 (340) EXCEPT ar 148-2058	No trap, standard exhaust fitted.	no	0.91 m <sup>-1</sup>	LE301 14	
	C10 ATAAC 365 (380) ar148-2060	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 44	
	C10 ATAAC 365 (380) EXCEPT ar148-2060	No trap, standard exhaust fitted.	no	0.98 m <sup>-1</sup>	LE301 12	
	C12 ATAAC 380 ar148-2099	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 38	
	C12 ATAAC 380 EXCEPT ar148-2099	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE301 15	
a3000	<b>Cummins</b> C300 20	No trap, standard exhaust fitted.	no	1.26 m <sup>-1</sup>	LE301 13	



# LEC Eligible Engines List

For vehicles manufactured by: **Foden**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	2	3	4	5	6	7
a3000	<b>Cummins</b>	M11 M305E 20 or ISM 305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
		M11 M340E 20 or ISM 340E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
		M11 M380E 20 or ISM 380E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
		M11 M405E 20 or ISM 405E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
		M11 M410E 20 or ISM 410E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19
		M11 M440E 20 or ISM 440E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 19



# LEC Eligible Engines List

For vehicles manufactured by: **Isuzu Truck**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	2	3	4	5	6	7
<b>Truck</b>						
NPR70L/P	<b>Isuzu</b>	4HE1-XN	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE304 01



# LEC Eligible Engines List

For vehicles manufactured by: **Iveco**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
<b>Iveco</b>						
Iveco	Iveco	F2BE0681D Cursor 240	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 29
		F2BE0681C Cursor 270	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 13
		F2BE0681B Cursor 310	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 13
		F2BE0681A Cursor 350	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 13
		F3AE0681E Cursor 390	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 28
		F3AE0681D Cursor 430	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 28
LD400E38	Iveco	8460.41N	No trap, standard exhaust fitted.	no	1.31 m <sup>-1</sup>	LE305 02
MP180E30	Iveco	8460.41C	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE305 01
MP180E38	Iveco	8460.41N	No trap, standard exhaust fitted.	no	1.31 m <sup>-1</sup>	LE305 02
MP400E30	Iveco	8460.41C	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE305 01
MP400E38	Iveco	8460.41N	No trap, standard exhaust fitted.	no	1.31 m <sup>-1</sup>	LE305 02



# LEC Eligible Engines List

For vehicles manufactured by: **MAN**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
<b>Bus/coach</b>						
MAN	MAN	D0826LOH09	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 06
		D0826LOH15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 07
		D0826LOH17	No trap, standard exhaust fitted.	no	1.12 m <sup>-1</sup>	LE306 08
		D0826LUH11	No trap, standard exhaust fitted.	no	1.12 m <sup>-1</sup>	LE306 09
		D0826LUH12	No trap, standard exhaust fitted.	no	1.12 m <sup>-1</sup>	LE306 10
		D0826LUH13	No trap, standard exhaust fitted.	no	0.90 m <sup>-1</sup>	LE306 11
		D2865LOH09	No trap, standard exhaust fitted.	no	0.90 m <sup>-1</sup>	LE306 12
		D2866LOH26	No trap, standard exhaust fitted.	no	0.90 m <sup>-1</sup>	LE306 15
<b>Truck</b>						
10.220,10.22 2 or 10.223	MAN	D0826LF11	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 01
		D0826LF15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 02
		D0826LFG15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 03
		D0826LFL03	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 04
		D0826LFO01	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 05
14.220,14.22 2 or 14.223	MAN	D0826LF11	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 01
		D0826LF15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 02



# LEC Eligible Engines List

For vehicles manufactured by: **MAN**

Vehicle Make / model	Engine Engine Make Engine model	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number
note 1	2	4	5	6	7
14.220,14.22 2 or 14.223	<b>MAN</b> D0826LFG15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 03
	D0826LFL03	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 04
	D0826LFO01	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 05
18.220,18.22 2 or 18.223	<b>MAN</b> D0826LF11	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 01
	D0826LF15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 02
	D0826LFG15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 03
	D0826LFL03	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 04
	D0826LFO01	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 05
18.310,18.31 2 or 18.313	<b>MAN</b> D2866LF36	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 13
18.360,18.36 2 or 18.363	<b>MAN</b> D2866LF37	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 14
18.460,18.46 2 or 18.463	<b>MAN</b> D2876LF01	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE306 16
	D2876LF06	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE306 17
	D2876LF07	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE306 18
22.310, 22.312 or 22.323	<b>MAN</b> D2866LF36	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 13



# LEC Eligible Engines List

For vehicles manufactured by: **MAN**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number
Make / model	Engine Make Engine model				
note 1	2	4	5	6	7
22.360, 22.362 or 22.363	<b>MAN</b> D2866LF37	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 14
26.310, 26.312 or 26.313	<b>MAN</b> D2866LF36	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 13
26.360,26.36 2 or 26.363	<b>MAN</b> D2866LF37	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 14
26.460,26.46 2 or 26.463	<b>MAN</b> D2876LF01	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE306 16
	D2876LF06	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE306 17
	D2876LF07	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE306 18
8.220,8.222 or 8.223	<b>MAN</b> D0826LF11	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 01
	D0826LF15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 02
	D0826LFG15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 03
	D0826LFL03	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 04
LE220B or LE220C	<b>MAN</b> D0826LFO01	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 05
	<b>MAN</b> D0826LFG15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 03
	D0826LFL03	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 04



# LEC Eligible Engines List

For vehicles manufactured by: **MAN**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
LE220B or LE220C	<b>MAN</b> D0826LFO01	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 05	
MAN	<b>MAN</b> D0836LF 02 196kW	No trap, standard exhaust fitted.	no	1.10 m <sup>-1</sup>	LE306 19	
ME220B	<b>MAN</b> D0826LF11	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 01	
	D0826LF15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 02	
	D0826LFG15	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 03	
	D0826LFL03	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 04	
	D0826LFO01	No trap, standard exhaust fitted.	no	1.00 m <sup>-1</sup>	LE306 05	
xx.26x	<b>MAN</b> D0836LFL 04 196kW	No trap, standard exhaust fitted.	no	1.10 m <sup>-1</sup>	LE306.24	
xx.363	<b>MAN</b> D2866 LF 39, D2866 LF 43	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 33	
xx.36x	<b>MAN</b> D2066LF 06 294kW	No trap, standard exhaust fitted.	no	1.40 m <sup>-1</sup>	LE306 22	
xx.403	<b>MAN</b> D2866 LF 40, D2866 LF 41	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 32	
xx.40x	<b>MAN</b> D2066LF 07 265kW	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE306 23	
xx.44x	<b>MAN</b> D2676LF 04 324kW	No trap, standard exhaust fitted.	no	1.20 m <sup>-1</sup>	LE306.20	
xx.463	<b>MAN</b> D2876 LF 10, D2876 LF 11	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 39	
xx.48x	<b>MAN</b> D2676LF 03 353kW	No trap, standard exhaust fitted.	no	1.20 m <sup>-1</sup>	LE306 21	
xx.50x	<b>MAN</b> D2876LF 20 375kW	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE306.25	



# LEC Eligible Engines List

For vehicles manufactured by: **Mercedes**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number
Make / model	Engine Make Engine model				
note 1	2	4	5	6	7
<b>Actros</b>					
1831	Mercedes OM501 LA II/1	No trap, standard exhaust fitted.	no	1.70 m <sup>-1</sup>	LE303 03
1835	Mercedes OM501 LA II/2	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 10
1840	Mercedes OM501 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 11
1843	Mercedes OM501 LA II/4	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 12
1848	Mercedes OM502 LA II/1	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 09
1853	Mercedes OM502 LA II/2	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 05
1856	Mercedes OM502 LA II/3	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 06
2531	Mercedes OM501 LA II/1	No trap, standard exhaust fitted.	no	1.70 m <sup>-1</sup>	LE303 03
2535	Mercedes OM501 LA II/2	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 10
2540	Mercedes OM501 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 11
2543	Mercedes OM501 LA II/4	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 12
2548	Mercedes OM502 LA II/1	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 04
2553	Mercedes OM502 LA II/2	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 05
2556	Mercedes OM502 LA II/3	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 06
2631	Mercedes OM501 LA II/1	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 03
2635	Mercedes OM501 LA II/2	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 10
2640	Mercedes OM501 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 11



# LEC Eligible Engines List

For vehicles manufactured by: **Mercedes**

<b>Vehicle</b>	<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make Engine model</b>				
<i>note 1</i>	2 3	4	5	6	7
2643	<b>Mercedes</b> OM501 LA II/4	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 12
2648	<b>Mercedes</b> OM502 LA II/1	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 04
2653	<b>Mercedes</b> OM502 LA II/2	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 05
2656	<b>Mercedes</b> OM502 LA II/3	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 06
3031	<b>Mercedes</b> OM501 LA II/1	No trap, standard exhaust fitted.	no	1.70 m <sup>-1</sup>	LE303 03
3035	<b>Mercedes</b> OM501 LA II/2	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 10
3040	<b>Mercedes</b> OM501 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 11
3043	<b>Mercedes</b> OM501 LA II/4	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 12
3231	<b>Mercedes</b> OM501 LA II/1	No trap, standard exhaust fitted.	no	1.70 m <sup>-1</sup>	LE303 03
3235	<b>Mercedes</b> OM501 LA II/2	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 10
3240	<b>Mercedes</b> OM501 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 11
3243	<b>Mercedes</b> OM501 LA II/4	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 12
3331	<b>Mercedes</b> OM501 LA II/1	No trap, standard exhaust fitted.	no	1.70 m <sup>-1</sup>	LE303 03
3335	<b>Mercedes</b> OM501 LA II/2	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 10
3340	<b>Mercedes</b> OM501 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 11
3343	<b>Mercedes</b> OM501 LA II/4	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 12
3348	<b>Mercedes</b> OM502 LA II/1	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 04



# LEC Eligible Engines List

For vehicles manufactured by: **Mercedes**

<b>Vehicle</b>	<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make Engine model</b>				
<i>note 1</i>	2 3	4	5	6	7
3353	<b>Mercedes</b> OM502 LA II/2	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 05
3356	<b>Mercedes</b> OM502 LA II/3	No trap, standard exhaust fitted.	no	1.80 m <sup>-1</sup>	LE303 06
<b>Atego</b>					
1017	<b>Mercedes</b> OM904 LA II/4	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE303 08
1023	<b>Mercedes</b> OM906 LA II/1	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 24
1217	<b>Mercedes</b> OM904 LA II/4	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE303 08
1223	<b>Mercedes</b> OM906 LA II/1	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 24
1228	<b>Mercedes</b> OM906 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 31
1317	<b>Mercedes</b> OM904 LA II/4	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE303 08
1323	<b>Mercedes</b> OM906 LA II/1	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 24
1328	<b>Mercedes</b> OM906 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 31
1523	<b>Mercedes</b> OM906 LA II/1	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 24
1528	<b>Mercedes</b> OM906 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 31
1823	<b>Mercedes</b> OM906 LA II/1	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 24
1828	<b>Mercedes</b> OM906 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 31
2523	<b>Mercedes</b> OM906 LA II/1	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 24
2528	<b>Mercedes</b> OM906 LA II/3	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 31
814	<b>Mercedes</b> OM904 LA II/1	No trap, standard exhaust fitted.	no	2.30 m <sup>-1</sup>	LE303 07



# LEC Eligible Engines List

For vehicles manufactured by: **Mercedes**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	2	3	4	5	6	7
815	<b>Mercedes</b>	OM904 LA II/8	No trap, standard exhaust fitted.	no	1.20 m <sup>-1</sup>	LE303 09
817	<b>Mercedes</b>	OM904 LA II/4	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE303 08
823	<b>Mercedes</b>	OM906 LA II/1	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 24
917	<b>Mercedes</b>	OM904 LA II/4	No trap, standard exhaust fitted.	no	1.30 m <sup>-1</sup>	LE303 08
923	<b>Mercedes</b>	OM906 LA II/1	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 24
<b>Vario</b>						
614D	<b>Mercedes</b>	OM904 LA II/1	No trap, standard exhaust fitted.	no	2.30 m <sup>-1</sup>	LE303 07
814D	<b>Mercedes</b>	OM904 LA II/1	No trap, standard exhaust fitted.	no	2.30 m <sup>-1</sup>	LE303 07
814DA	<b>Mercedes</b>	OM904 LA II/1	No trap, standard exhaust fitted.	no	2.30 m <sup>-1</sup>	LE303 07
815	<b>Mercedes</b>	OM904 LA II/8	No trap, standard exhaust fitted.	no	1.20 m <sup>-1</sup>	LE303 09



# LEC Eligible Engines List

For vehicles manufactured by: **Renault Trucks**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	2	3	4	5	6	7
<b>Magnum</b>						
390	<b>Renault</b>	MIDR 06 24 65A42 (287kW)	No trap, standard exhaust fitted.	no	1.20 m <sup>-1</sup>	LE309 01
400 Etech	<b>Renault</b>	MIDR 06 24 65 A46 (295 kW Mack Unit Pump)	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 49
420	<b>Renault</b>	MIDR 06 24 65 B42 (214 kW)	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 53
440 Etech	<b>Renault</b>	MIDR 06 24 65 B46 (324 kW Mack Unit Pump)	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 54
480 Etech	<b>Renault</b>	MIDR 06 24 65 C46 (347 kW Mack Unit Pump)	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 54
<b>Premium</b>						
400	<b>Renault</b>	MIDR 06 23 56 B41 (288kW)	No trap, standard exhaust fitted.	no	2.20 m <sup>-1</sup>	LE309 02
420 DCI	<b>Renault</b>	MIDR 06 23 56 B43 (303kW Common Rail)	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 48



# LEC Eligible Engines List

For vehicles manufactured by: **Scania**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
<b>4-series Truck</b>						
P/R114	<b>Scania</b>	DC1101 / 340hp	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 7
		DC1102 / 380hp	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 9
P/R124	<b>Scania</b>	DSC1201 / 400hp	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE308 02
		DSC1205 / 420hp	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 8
R144	<b>Scania</b>	DSC1415 / 460hp	No trap, standard exhaust fitted.	no	0.85 m <sup>-1</sup>	LE308 01
<b>Coach</b>						
K114	<b>Scania</b>	DC1107 / 320hp	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE308 03
K124 (Coach)	<b>Scania</b>	DSC1205 / 420hp	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 8



# LEC Eligible Engines List

For vehicles manufactured by:

**Seddon Atkinson**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	2	3	4	5	6	7
<b>various</b>						
SA	<b>Cummins</b>	ISM 305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		ISM 340E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		ISM 380E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		ISM 410E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		ISM 440E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		ISM305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		ISM305E 21	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		ISM305ESP 22	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		ISM405E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		M305E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		M305E 21	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		M305ESP 22	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		M340E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		M380E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		M405E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		M410E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20
		M440E 20	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 20



# LEC Eligible Engines List

For vehicles manufactured by: **Volvo**

<b>Vehicle</b>	<b>Engine</b>			<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>					
<i>note 1</i>	2	3		4	5	6	7
<b>Truck</b>							
FH	<b>Volvo</b>	D12A340 EC93, Property version 1677322		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 02
		D12A340 EC93, Property version 3964310		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 03
		D12A340 EC96, Property version 1677323		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 04
		D12A340 EC96, Property version 3964311		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 05
		D12A380 EC93, Property version 1677129		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 06
		D12A380 EC93, Property version 3964312		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 07
		D12A380 EC96, Property version 1677066		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 08
		D12A380 EC96, Property version 3964313		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 09
		D12A420 EC93, Property version 1677128		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 10
		D12A420 EC93, Property version 3964308		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 11
		D12A420 EC96, Property version 1677063		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 12
		D12A420 EC96, Property version 3964309		No trap, standard exhaust fitted.	no	0.86 m <sup>-1</sup>	LE307 13
		D16A470 EC93, Property version 1556540		No trap, standard exhaust fitted.	no	1.24 m <sup>-1</sup>	LE307 15
		D16A470 EC96, Property version 1556752		No trap, standard exhaust fitted.	no	0.99 m <sup>-1</sup>	LE307 21
		D16A520 EC93, Property version 1556541		No trap, standard exhaust fitted.	no	1.24 m <sup>-1</sup>	LE307 22
		D16A520 EC96, Property version 1556753		No trap, standard exhaust fitted.	no	0.99 m <sup>-1</sup>	LE307 23
		D16B470 EC96, Property version 1556972		No trap, standard exhaust fitted.	no	0.99 m <sup>-1</sup>	LE307 25



# LEC Eligible Engines List

For vehicles manufactured by: **Volvo**

<b>Vehicle</b>	<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>	
<b>Make / model</b>	<b>Engine Make Engine model</b>					
<i>note 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
FH	<b>Volvo</b>	D16B520 EC96, Property version 1556973	No trap, standard exhaust fitted.	no	0.99 m <sup>-1</sup>	LE307 26
FH/FM	<b>Volvo</b>	D12C 340, Property version 3169630, VED 98	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 21
		D12C 380, Property version 3169631, VED 98	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 22
		D12C 420, Property version 3169632, VED 98	No trap, standard exhaust fitted.	yes	0.40 m <sup>-1</sup>	RPD00 23
		D12C340 EC96, Property version 3165043	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 14
		D12C380 EC96, Property version 3165044	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 18
		D12C420 EC96, Property version 3165045	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 19
		D12C460 EC96, Property version 3165046	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 20
FL6	<b>Volvo</b>	D6A180 EC96, Property version 499296	No trap, standard exhaust fitted.	no	1.31 m <sup>-1</sup>	LE307 27
		D6A210 EC96, Property version 499297	No trap, standard exhaust fitted.	no	1.31 m <sup>-1</sup>	LE307 28
		D6A230 EC96, Property version 499298	No trap, standard exhaust fitted.	no	1.31 m <sup>-1</sup>	LE307 29
		D6B180 EM96, Property version 8192454	No trap, standard exhaust fitted.	no	0.85 m <sup>-1</sup>	LE307 30
		D6B220 EM96, Property version 8192455	No trap, standard exhaust fitted.	no	0.87 m <sup>-1</sup>	LE307 31
		D6B250 EC96, Property version 8192457	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 32
FL7	<b>Volvo</b>	D7A285 EC96, Property version 477899	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 33
		D7B230 EC96, Property version 477897	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 34



# LEC Eligible Engines List

For vehicles manufactured by: **Volvo**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
FL7	<b>Volvo</b>	D7B260 EC96, Property version 477898	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 35
FM7	<b>Volvo</b>	D7C250 EC96, Property version 8192704	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 37
		D7C290 EC96, Property version 8192705	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 38
		D7C310 EC96, Property version 1549849	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 39



# LEC Eligible Engines List

For vehicles manufactured by: **Volvo Bus**

Vehicle	Engine	Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K	Certificate number	
Make / model	Engine Make Engine model					
note 1	2	3	4	5	6	7
<b>Bus</b>						
B10M, B10BLE	<b>Volvo</b> DH10A245 EC96, Property version 425898	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 40	
B10M, B10MA	<b>Volvo</b> DH10A285 EC96, Property version 425899	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 24	
B12M	<b>Volvo</b> DH12C340 EC96, Property version 1549887	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 41	
B12R	<b>Volvo</b> D12A340 EC96, Property version 1677323	No trap, standard exhaust fitted.	no	0.92 m <sup>-1</sup>	LE307 04	
	D12A340 EC96, Property version 3964311	No trap, standard exhaust fitted.	no	0.92 m <sup>-1</sup>	LE307 05	
	D12A380 EC96, Property version 1677066	No trap, standard exhaust fitted.	no	0.92 m <sup>-1</sup>	LE307 08	
	D12A380 EC96, Property version 3964313	No trap, standard exhaust fitted.	no	0.92 m <sup>-1</sup>	LE307 09	
	D12A420 EC96, Property version 1677063	No trap, standard exhaust fitted.	no	0.92 m <sup>-1</sup>	LE307 12	
B6B, B6BLE	<b>Volvo</b> D6A180 EC96, Property version 499296	No trap, standard exhaust fitted.	no	1.31 m <sup>-1</sup>	LE307 27	
	D6A210 EC96, Property version 499297	No trap, standard exhaust fitted.	no	1.31 m <sup>-1</sup>	LE307 16	
B7L	<b>Volvo</b> D7C250 EC96, Property version 8192704	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 37	
B7LA	<b>Volvo</b> D7C290 EC96, Property version 8192705	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 38	
B7R	<b>Volvo</b> D7B260 EC96, Property version 477898	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 35	
B7TL	<b>Volvo</b> D7C215 EC96, Property version 1549848	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 36	
	D7C250 EC96, Property version 8192704	No trap, standard exhaust fitted.	no	0.80 m <sup>-1</sup>	LE307 37	



# LEC Eligible Engines List

For vehicles manufactured by: **Volvo Bus**

<b>Vehicle</b>	<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K</b>	<b>Certificate number</b>
<b>Make / model</b>	<b>Engine Make</b>	<b>Engine model</b>				
<i>note 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
Olympian	<b>Volvo</b>	D10A245 EC96, Property version 425900	No trap, standard exhaust fitted.	no	0.80 m <sup>1</sup>	LE307 01



# LEC Eligible Engines List

## Section 2. Sorted by engine manufacturer.

This section lists all eligible engines, from the manufacturers listed below. These are sorted alphabetically by manufacturer. If your vehicle has an engine which is not manufactured by one of these makers, it is not eligible.

Vehicle and Engine Manufacturers		Engine Manufacturers
DAF	Mercedes	Caterpillar
Isuzu	Renault Truck (not Renault vans)	Cummins
Iveco	Scania	Detroit Diesel
MAN	Volvo	

### How to Identify Your Engine Details

In order to identify whether your engine is potentially eligible, you will need to know details of the manufacturer and the exact engine model designation. You can identify your engine make and model from the engine identification plate or manufacturer's documentation. A guide to where to find this information is available on the TfL website. Note that the engine manufacturer may be different to the vehicle manufacturer.

### Finding Your Engine on the List.

The exact engine make and model (in green in column 1 and 2, and any special instructions in column 3) must match exactly for the engine to be eligible. Note that a particular vehicle model may have other different engines which are not eligible.

### Certification by VOSA

All engines on this list are potentially eligible for an LEC certificate following an inspection by VOSA. If the vehicle has, or has had, an RPC issued before 1<sup>st</sup> January 2001 it may be eligible for an RPC if indicated in column 4.

During the VOSA inspection a smoke test will be performed, which is to a lower limit than the annual inspection test, which is given by the smoke limit set in column 5.



# LEC Eligible Engines List

For engines manufactured by:

**Caterpillar**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family    Engine model</b>				
<i>Column 1            2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
<b>3126</b>				
3126 ATAAC 275	No trap, standard exhaust fitted.	no	0.80	LE301 01
3126 ATAAC 300	No trap, standard exhaust fitted.	no	0.80	LE301 02
<b>3126B</b>				
3126B ATAAC 275	No trap, standard exhaust fitted.	no	1.52	LE301 03
3126B ATAAC 300	No trap, standard exhaust fitted.	no	1.32	LE301 04
<b>3176B</b>				
3176B / 3176B ATAAC 365	No trap, standard exhaust fitted.	no	0.80	LE301 05
3176B ATAAC 350	No trap, standard exhaust fitted.	no	0.80	LE301 06
3176B ATAAC 365	No trap, standard exhaust fitted.	no	0.80	LE301 07
<b>3176B or C10</b>				
3176B or C10 ATAAC 350	No trap, standard exhaust fitted.	no	0.80	LE301 08
<b>3406E 455</b>				
Caterpillar 3406E ATAAC 455	No trap, standard exhaust fitted.	no	0.80	LE301 09
<b>C10</b>				
C10 ATAAC 325 (340) ar 148-2058	No trap, standard exhaust fitted.	yes	0.40	RPD00 44
C10 ATAAC 325 (340) EXCEPT ar 148-2058	No trap, standard exhaust fitted.	no	0.91	LE301 14
C10 ATAAC 365 (380) ar148-2060	No trap, standard exhaust fitted.	yes	0.40	RPD00 44
C10 ATAAC 365 (380) EXCEPT ar148-2060	No trap, standard exhaust fitted.	no	0.98	LE301 12
C10 ATAAC 365 ar 148-2060	No trap, standard exhaust fitted.	yes	0.40	RPD00 44

## C12

23 July 2007

Version 1.02 final: errors and omissions excepted

**LEC Eligible Engines List**

sorted by engine make and model

Section 2 Page 2 of 21



# LEC Eligible Engines List

For engines manufactured by:

**Caterpillar**

<b>Engine</b>		Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K m-1	Certificate number
Engine Family	Engine model				
Column 1	2	3	4	5	
C12 ATAAC 380	ar148-2099	No trap, standard exhaust fitted.	yes	0.40	RPD00 38
C12 ATAAC 380 EXCEPT	ar148-2099	No trap, standard exhaust fitted.	no	0.80	LE301 15



# LEC Eligible Engines List

For engines manufactured by:

**Cummins**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family    Engine model</b>				
<i>Column 1            2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
<b>L10 350E or L350E</b>				
L10 350E or L350E	No trap, standard exhaust fitted.	yes	0.80	RPD00 50-52
<b>B Series</b>				
B130 20	No trap, standard exhaust fitted.	no	0.80	LE302 01
B235 20	No trap, standard exhaust fitted.	no	0.93	LE301 10
<b>B Series or 306</b>				
B Series B130 20 or 306 or CS97M	No trap, standard exhaust fitted.	no	0.80	LE302 01
<b>B Series or 342</b>				
B Series B235 20 or 342 or CS173M	No trap, standard exhaust fitted.	no	0.95	LE302 02
<b>C Series</b>				
C245 20	No trap, standard exhaust fitted.	no	0.80	LE302 03
C300 20	No trap, standard exhaust fitted.	no	1.26	LE301 13
<b>ISM</b>				
ISM 305E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18 RPD00 20
ISM 340E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18 RPD00 20
ISM 380E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18 RPD00 20
ISM 410E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20 RPD00 18



# LEC Eligible Engines List

For engines manufactured by:

**Cummins**

<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family</b>	<b>Engine model</b>				
<i>Column 1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
ISM	440E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20 RPD00 18
ISM	305E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20 RPD00 18
ISM	305E 21	No trap, standard exhaust fitted.	yes	0.40	RPD00 18 RPD00 20
ISM	305ESP 22	No trap, standard exhaust fitted.	yes	0.40	RPD00 18 RPD00 20
ISM	405E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18 RPD00 20
<b>L10 350E or L350E</b>					
L10	350E or L350E	No trap, standard exhaust fitted.	yes	0.80	RPD00 50-52
<b>M11</b>					
M11	M305E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18
M11	M305E 21	No trap, standard exhaust fitted.	yes	0.40	RPD00 18
M11	M305ESP 22	No trap, standard exhaust fitted.	yes	0.40	RPD00 18
M11	M340E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18
M11	M380E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18
M11	M405E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18
M11	M410E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18
M11	M440E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 18



# LEC Eligible Engines List

For engines manufactured by:

**Cummins**

<b>Engine</b>		Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K m-1	Certificate number
Engine Family	Engine model				
Column 1	2	3	4	5	
M305E	20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20
M305E	21	No trap, standard exhaust fitted.	yes	0.40	RPD00 20
M305ESP	22	No trap, standard exhaust fitted.	yes	0.40	RPD00 20
M340E	20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20
M380E	20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20
M405E	20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20
M410E	20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20
M440E	20	No trap, standard exhaust fitted.	yes	0.40	RPD00 20
					RPD00 18
<b>M11 or ISM</b>					
M11 M305E	20 or ISM 305E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
M11 M340E	20 or ISM 340E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
M11 M380E	20 or ISM 380E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
M11 M405E	20 or ISM 405E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
M11 M410E	20 or ISM 410E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
M11 M440E	20 or ISM 440E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
M11 or ISM	M305E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
M11 or ISM	M340E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
M11 or ISM	M380E 20	No trap, standard exhaust fitted.	yes	0.40	RPD00 19
<b>VF</b>					



# LEC Eligible Engines List

For engines manufactured by:

**Cummins**

## Engine

Engine Family    Engine model

Instructions, restrictions,  
conditions and remarks

Eligible  
for RPC

Smoke  
Limit K  
m-1

Certificate  
number

Column 1

2

3

4

5

N530E 20 (DAF VF 390)

No trap, standard exhaust fitted.

no

0.80

LE302 03



# LEC Eligible Engines List

For engines manufactured by:

**DAF**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family    Engine model</b>				
<i>Column 1                    2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
<b>NS</b>				
NS 177M	No trap, standard exhaust fitted.	no	1.05	LE302 10
<b>PF</b>				
PF 183M	No trap, standard exhaust fitted.	no	0.80	LE302 04
PF 183M - any fuel pump	Catalytic silencer fitted. See approvals 47 at RPC schedule C and note 6.	yes	0.40	RPD00 47
PF 212M	No trap, standard exhaust fitted.	no	0.80	LE302 05
PF 212M - any fuel pump	Catalytic silencer fitted. See approvals 46 at RPC schedule C and note 6.	yes	0.40	RPD00 46
PF 235M	No trap, standard exhaust fitted.	no	0.80	LE302 06
PF 235M with fuel pump 1392167	No trap, standard exhaust fitted.	yes	0.40	RPD00 45
<b>VF</b>				
VF 390 (Cummins N530E 20)	No trap, standard exhaust fitted.	no	0.80	LE302 07
<b>XF</b>				
XF 250M	No trap, standard exhaust fitted.	no	0.80	LE302 08
XF 250M with fuel pump 1386041 only	Catalytic silencer fitted. See approvals 40 at RPC schedule C and note 6.	yes	0.40	RPD00 40
XF 280M	No trap, standard exhaust fitted.	no	0.80	LE302 09
XF 280M with fuel pump 1386040 only	Catalytic silencer. See approvals 41 at at RPC schedule C and note 6. Catalytic silencer fitted. See approvals 41 at at RPC schedule C and note 6.	yes	0.40	RPD00 41



# LEC Eligible Engines List

For engines manufactured by:

**DAF**

<b>Engine</b>		<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family</b>	<b>Engine model</b>				
<i>Column</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>
	XF 315M	No trap, standard exhaust fitted.	no	0.80	LE302 11
	XF 315M with fuel pump 1386039 only	Catalytic silencer fitted. See approvals 42 at RPC schedule C and note 6.	yes	0.40	RPD00 42
	XF 355M	No trap, standard exhaust fitted.	no	0.80	LE302 12
	XF 355M with fuel pump 1392169 only	Catalytic silencer fitted. See approvals 43 at RPC schedule C and note 6.	yes	0.40	RPD00 43



# LEC Eligible Engines List

For engines manufactured by:

**Detroit Diesel**

<b>Engine</b>		Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K m-1	Certificate number
Engine Family	Engine model				
Column 1	2	3	4	5	
<b>6067</b>					
6067 GK28/60/62		No trap, standard exhaust fitted.	yes	0.40	RPD00 35-7
6067 PK62		No trap, standard exhaust fitted.	yes	0.40	RPD00 35-7
6067 TK62		No trap, standard exhaust fitted.	yes	0.40	RPD00 35-7
<b>CWC</b>					
CWC 0630/2/3		No trap, standard exhaust fitted.	yes	0.40	RPD00 35-7



# LEC Eligible Engines List

For engines manufactured by:

**Isuzu**

## Engine

Engine Family    Engine model

Instructions, restrictions,  
conditions and remarks

Eligible  
for RPC

Smoke  
Limit K  
m-1

Certificate  
number

Column 1

2

3

4

5

4HE1-XN

No trap, standard exhaust fitted.

no

0.80

LE304 01



# LEC Eligible Engines List

For engines manufactured by: **Iveco**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family    Engine model</b>				
<i>Column 1                    2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
8460.41C	No trap, standard exhaust fitted.	no	1.30	LE305 01
8460.41N	No trap, standard exhaust fitted.	no	1.31	LE305 02
<b>Cursor 240</b>				
F2BE0681D Cursor 240	No trap, standard exhaust fitted.	yes	0.40	RPD00 29
<b>Cursor 270</b>				
F2BE0681C Cursor 270	No trap, standard exhaust fitted.	yes	0.40	RPD00 13
<b>Cursor 310</b>				
F2BE0681B Cursor 310	No trap, standard exhaust fitted.	yes	0.40	RPD00 13
<b>Cursor 350</b>				
F2BE0681A Cursor 350	No trap, standard exhaust fitted.	yes	0.40	RPD00 13
<b>Cursor 390</b>				
F3AE0681E Cursor 390	No trap, standard exhaust fitted.	yes	0.40	RPD00 28
<b>Cursor 430</b>				
F3AE0681D Cursor 430	No trap, standard exhaust fitted.	yes	0.40	RPD00 28



# LEC Eligible Engines List

For engines manufactured by:

**MAN**

<b>Engine</b>		Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K m-1	Certificate number
Engine Family	Engine model				
Column 1	2	3	4	5	
<b>D0826</b>					
	D0826LF11	No trap, standard exhaust fitted.	no	1.00	LE306 01
	D0826LF15	No trap, standard exhaust fitted.	no	1.00	LE306 02
	D0826LFG15	No trap, standard exhaust fitted.	no	1.00	LE306 03
	D0826LFL03	No trap, standard exhaust fitted.	no	1.00	LE306 04
	D0826LFO01	No trap, standard exhaust fitted.	no	1.00	LE306 05
	D0826LOH09	No trap, standard exhaust fitted.	no	1.00	LE306 06
	D0826LOH15	No trap, standard exhaust fitted.	no	1.00	LE306 07
	D0826LOH17	No trap, standard exhaust fitted.	no	1.12	LE306 08
	D0826LUH11	No trap, standard exhaust fitted.	no	1.12	LE306 09
	D0826LUH12	No trap, standard exhaust fitted.	no	1.12	LE306 10
	D0826LUH13	No trap, standard exhaust fitted.	no	0.90	LE306 11
<b>D0836</b>					
	D0836LF 02 196kW	No trap, standard exhaust fitted.	no	1.10	LE306 19
	D0836LFL 04 196kW	No trap, standard exhaust fitted.	no	1.10	LE306.24
<b>D2066</b>					
	D2066LF 06 294kW	No trap, standard exhaust fitted.	no	1.40	LE306 22
	D2066LF 07 265kW	No trap, standard exhaust fitted.	no	1.30	LE306 23
<b>D2676</b>					
	D2676LF 03 353kW	No trap, standard exhaust fitted.	no	1.20	LE306 21



# LEC Eligible Engines List

For engines manufactured by:

**MAN**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family Engine model</b>				
<i>Column 1 2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
D2676LF 04 324kW	No trap, standard exhaust fitted.	no	1.20	LE306.20
<b>D2865</b>				
D2865LOH09	No trap, standard exhaust fitted.	no	0.90	LE306 12
<b>D2866</b>				
D2866 LF 39, D2866 LF 43	No trap, standard exhaust fitted.	yes	0.40	RPD00 33
D2866 LF 40, D2866 LF 41	No trap, standard exhaust fitted.	yes	0.40	RPD00 32
D2866LF36	No trap, standard exhaust fitted.	no	1.00	LE306 13
D2866LF37	No trap, standard exhaust fitted.	no	1.00	LE306 14
D2866LOH26	No trap, standard exhaust fitted.	no	0.90	LE306 15
<b>D2876</b>				
D2876 LF 10, D2876 LF 11	No trap, standard exhaust fitted.	yes	0.40	RPD00 39
D2876LF 20 375kW	No trap, standard exhaust fitted.	no	1.30	LE306.25
D2876LF01	No trap, standard exhaust fitted.	no	1.30	LE306 16
D2876LF06	No trap, standard exhaust fitted.	no	1.30	LE306 17
D2876LF07	No trap, standard exhaust fitted.	no	1.30	LE306 18



# LEC Eligible Engines List

For engines manufactured by:

**Mercedes**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family    Engine model</b>				
<i>Column 1            2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
<b>OM441</b>				
OM441 LA I/11 (250kW)	No trap, standard exhaust fitted.	no	1.70	LE303 03
<b>OM457</b>				
OM457 hLA II/6 (260kW)	No trap, standard exhaust fitted.	no	1.00	LE303 01
OM457 hLA II/7 (300kW)	No trap, standard exhaust fitted.	no	1.00	LE303 11
OM457 LA II/2 (260kW)	No trap, standard exhaust fitted.	no	0.80	LE303 02
OM457 LA II/3 (310kW)	No trap, standard exhaust fitted.	no	0.80	LE303 10
<b>OM501</b>				
OM501 LA II/1	No trap, standard exhaust fitted.	no	1.70 1.80 1.70	LE303 03
OM501 LA II/2	No trap, standard exhaust fitted.	yes	0.40	RPD00 10
OM501 LA II/3	No trap, standard exhaust fitted.	yes	0.40	RPD00 11
OM501 LA II/4	No trap, standard exhaust fitted.	yes	0.40	RPD00 12
<b>OM502</b>				
OM502 LA II/1	No trap, standard exhaust fitted.	no	1.80	LE303 04 LE303 09 LE303 04
OM502 LA II/2	No trap, standard exhaust fitted.	no	1.80	LE303 05
OM502 LA II/3	No trap, standard exhaust fitted.	no	1.80	LE303 06
<b>OM904</b>				



# LEC Eligible Engines List

For engines manufactured by:

**Mercedes**

<b>Engine</b>		Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K m-1	Certificate number
Engine Family	Engine model				
Column 1	2	3	4	5	
OM904	LA II/1	No trap, standard exhaust fitted.	no	2.30	LE303 07
OM904	LA II/4	No trap, standard exhaust fitted.	no	1.30	LE303 08
OM904	LA II/8	No trap, standard exhaust fitted.	no	1.20	LE303 09
<b>OM906</b>					
OM906	LA II/1	No trap, standard exhaust fitted.	yes	0.40	RPD00 24
OM906	LA II/3	No trap, standard exhaust fitted.	yes	0.40	RPD00 31



# LEC Eligible Engines List

For engines manufactured by:

**Renault**

<b>Engine</b>		Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K m-1	Certificate number
Engine Family	Engine model				
Column 1	2	3	4	5	
<b>MIDR</b>					
MIDR 06 23 56 B41 (288kW)		No trap, standard exhaust fitted.	no	2.20	LE309 02
MIDR 06 23 56 B43 (303kW Common Rail)		No trap, standard exhaust fitted.	yes	0.40	RPD00 48
MIDR 06 24 65 A46 (295 kW Mack Unit Pump)		No trap, standard exhaust fitted.	yes	0.40	RPD00 49
MIDR 06 24 65 B42 (214 kW)		No trap, standard exhaust fitted.	yes	0.40	RPD00 53
MIDR 06 24 65 B46 (324 kW Mack Unit Pump)		No trap, standard exhaust fitted.	yes	0.40	RPD00 54
MIDR 06 24 65 C46 (347 kW Mack Unit Pump)		No trap, standard exhaust fitted.	yes	0.40	RPD00 54
MIDR 06 24 65A42 (287kW)		No trap, standard exhaust fitted.	no	1.20	LE309 01



# LEC Eligible Engines List

For engines manufactured by:

**Scania**

<b>Engine</b>		Instructions, restrictions, conditions and remarks	Eligible for RPC	Smoke Limit K m-1	Certificate number
Engine Family	Engine model				
Column 1	2	3	4	5	
<b>DC</b>					
	DC1101 / 340hp	No trap, standard exhaust fitted.	yes	0.40	RPD00 7
	DC1102 / 380hp	No trap, standard exhaust fitted.	yes	0.40	RPD00 9
<b>DSC</b>					
	DC1107 / 320hp	No trap, standard exhaust fitted.	no	0.80	LE308 03
	DSC1201 / 400hp	No trap, standard exhaust fitted.	no	0.80	LE308 02
	DSC1205 / 420hp	No trap, standard exhaust fitted.	yes	0.40	RPD00 8
	DSC1415 / 460hp	No trap, standard exhaust fitted.	no	0.85	LE308 01



# LEC Eligible Engines List

For engines manufactured by:

**Volvo**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family</b> <b>Engine model</b>				
<i>Column 1</i> <i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
<b>D10</b>				
D10A245 EC96, Property version 425900	No trap, standard exhaust fitted.	no	0.80	LE307 01
<b>D12</b>				
D12A340 EC93, Property version 1677322	No trap, standard exhaust fitted.	no	0.86	LE307 02
D12A340 EC93, Property version 3964310	No trap, standard exhaust fitted.	no	0.86	LE307 03
D12A340 EC96, Property version 1677323	No trap, standard exhaust fitted.	no	0.86	LE307 04
			0.92	
D12A340 EC96, Property version 3964311	No trap, standard exhaust fitted.	no	0.86	LE307 05
			0.92	
D12A380 EC93, Property version 1677129	No trap, standard exhaust fitted.	no	0.86	LE307 06
D12A380 EC93, Property version 3964312	No trap, standard exhaust fitted.	no	0.86	LE307 07
D12A380 EC96, Property version 1677066	No trap, standard exhaust fitted.	no	0.86	LE307 08
			0.92	
D12A380 EC96, Property version 3964313	No trap, standard exhaust fitted.	no	0.86	LE307 09
			0.92	
D12A420 EC93, Property version 1677128	No trap, standard exhaust fitted.	no	0.86	LE307 10
D12A420 EC93, Property version 3964308	No trap, standard exhaust fitted.	no	0.86	LE307 11
D12A420 EC96, Property version 1677063	No trap, standard exhaust fitted.	no	0.86	LE307 12
			0.92	
D12A420 EC96, Property version 3964309	No trap, standard exhaust fitted.	no	0.86	LE307 13
			0.92	



# LEC Eligible Engines List

For engines manufactured by:

**Volvo**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family    Engine model</b>				
<i>Column 1                  2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
D12C 340, Property version 3169630, VED 98	No trap, standard exhaust fitted.	yes	0.40	RPD00 21
D12C 380, Property version 3169631, VED 98	No trap, standard exhaust fitted.	yes	0.40	RPD00 22
D12C 420, Property version 3169632, VED 98	No trap, standard exhaust fitted.	yes	0.40	RPD00 23
D12C340 EC96, Property version 3165043	No trap, standard exhaust fitted.	no	0.80	LE307 14
D12C380 EC96, Property version 3165044	No trap, standard exhaust fitted.	no	0.80	LE307 18
D12C420 EC96, Property version 3165045	No trap, standard exhaust fitted.	no	0.80	LE307 19
D12C460 EC96, Property version 3165046	No trap, standard exhaust fitted.	no	0.80	LE307 20
<b>D16</b>				
D16A470 EC93, Property version 1556540	No trap, standard exhaust fitted.	no	1.24	LE307 15
D16A470 EC96, Property version 1556752	No trap, standard exhaust fitted.	no	0.99	LE307 21
D16A520 EC93, Property version 1556541	No trap, standard exhaust fitted.	no	1.24	LE307 22
D16A520 EC96, Property version 1556753	No trap, standard exhaust fitted.	no	0.99	LE307 23
D16B470 EC96, Property version 1556972	No trap, standard exhaust fitted.	no	0.99	LE307 25
D16B520 EC96, Property version 1556973	No trap, standard exhaust fitted.	no	0.99	LE307 26
<b>D6</b>				
D6A180 EC96, Property version 499296	No trap, standard exhaust fitted.	no	1.31	LE307 27
D6A210 EC96, Property version 499297	No trap, standard exhaust fitted.	no	1.31	LE307 28 LE307 16
D6A230 EC96, Property version 499298	No trap, standard exhaust fitted.	no	1.31	LE307 29
D6B180 EM96, Property version 8192454	No trap, standard exhaust fitted.	no	0.85	LE307 30



# LEC Eligible Engines List

For engines manufactured by:

**Volvo**

<b>Engine</b>	<b>Instructions, restrictions, conditions and remarks</b>	<b>Eligible for RPC</b>	<b>Smoke Limit K m-1</b>	<b>Certificate number</b>
<b>Engine Family    Engine model</b>				
<i>Column 1            2</i>	<i>3</i>	<i>4</i>	<i>5</i>	
D6B220 EM96, Property version 8192455	No trap, standard exhaust fitted.	no	0.87	LE307 31
D6B250 EC96, Property version 8192457	No trap, standard exhaust fitted.	no	0.80	LE307 32
<b>D7</b>				
D7A285 EC96, Property version 477899	No trap, standard exhaust fitted.	no	0.80	LE307 33
D7B230 EC96, Property version 477897	No trap, standard exhaust fitted.	no	0.80	LE307 34
D7B260 EC96, Property version 477898	No trap, standard exhaust fitted.	no	0.80	LE307 35
D7C215 EC96, Property version 1549848	No trap, standard exhaust fitted.	no	0.80	LE307 36
D7C250 EC96, Property version 8192704	No trap, standard exhaust fitted.	no	0.80	LE307 37
D7C290 EC96, Property version 8192705	No trap, standard exhaust fitted.	no	0.80	LE307 38
D7C310 EC96, Property version 1549849	No trap, standard exhaust fitted.	no	0.80	LE307 39
<b>DH10</b>				
DH10A245 EC96, Property version 425898	No trap, standard exhaust fitted.	no	0.80	LE307 40
DH10A285 EC96, Property version 425899	No trap, standard exhaust fitted.	no	0.80	LE307 24
<b>DH12</b>				
DH12C340 EC96, Property version 1549887	No trap, standard exhaust fitted.	no	0.80	LE307 41

**EXTRACT FROM NEW RPC APPROVALS 35 – ONLY VALID FOR VEHICLES FIRST RPC TESTED PRIOR TO 5 JANUARY 2001**

**RPC Approvals**

**Part 1: Engines that comply without Particulate Traps or other special equipment**

VCA ref	Engine Make	Engine type (s)	Mod type	Trap make	Trap identification number(s) or other identifying mark	Test K	PM Emission	Tick box	Pipe length <sup>2)</sup>
RPD00 44	Caterpillar	C10 (ATAAC) 325 (340)ar. 148-2058 C10 (ATAAC) 365 (380)ar. 148-2060	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 38	Caterpillar	C12 (ATAAC) 335 ar. 142-2028 C12 (ATAAC) 380 ar. 148-2099 C12 (ATAAC) 410 ar. 148-2100	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 50-2	Cummins	L10 350E 11, L350E	Engine	N/A	No trap fitted. Standard exhausts acceptable	<b>0.8 m<sup>-1</sup></b>	<b>0.16g/kWh</b>	M	N/A
RPD00 18 (ERF) RPD00 19 (Foden) RPD00 20 (Seddon Atkinson)	Cummins	M305E 20, M305E 21, M305ESP 22, M340E 20, M380E 20, M405E 20, M410E 20, M440E 20 ISM305E 20, ISM305E 21, ISM305ESP 22, ISM340E 20, ISM380E 20, ISM405E 20, ISM 410E 20, ISM 440E 20	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 45	DAF	PF 235M Fuel pump 1392167 (see note 6 below)	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 35-7 (ERF ONLY)	Detroit Diesel	CWC 0630/2/3, 6067 GK28/60/62, 6067 PK62, 6067 TK62	Engine	N/A	No trap fitted. Standard exhausts acceptable.	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 13	Iveco	F2BE0681A (Cursor 350) F2BE0681B (Cursor 310)	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 13/ RPD00 29	Iveco	F2BE0681C (Cursor 270) F2BE0681D (Cursor 240)	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 28	Iveco	F3AE0681D (Cursor 430) F3AE0681E (Cursor 390)	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 33	MAN	D2866 LF 39 D2866 LF 43	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 32	MAN	D2866 LF 40 (see note 7 below) D2866 LF 41	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 39	MAN	D2876 LF 10 (see note 7 below) D2876 LF 11 (see note 7 below)	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 10	Mercedes	OM501LA II/2	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 11	Mercedes	OM501LA II/3	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 12	Mercedes	OM501LA II/4	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 24	Mercedes	OM906LA II/1	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 31	Mercedes	OM906LA II/3	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 48	Renault	MIDR 06 23 56 B43	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 49, 53, 54	Renault	MIDR 06 24 65 A46, B42, B46, C46	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD000 7	Scania	DC 1101	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD000 9	Scania	DC 1102	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A

**EXTRACT FROM NEW RPC APPROVALS 35 – ONLY VALID FOR VEHICLES FIRST RPC TESTED PRIOR TO 5 JANUARY 2001**

RPD000 8	Scania	DSC 1205	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 21	Volvo	D12C 340, Property version 3169630 (See note 5)	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 22	Volvo	D12C 380, Property version 3169631 (See note 5)	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 23	Volvo	D12C 420, Property version 3169632 (See note 5)	Engine	N/A	No trap fitted. Standard exhausts acceptable	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A

**Part 2: Special Equipment installations**

VCA ref	Engine Make	Engine type (s)	Mod type	Trap make	Trap identification number(s) or other identifying mark	Test K	PM Emission	Tick box	Pipe length <sup>2)</sup>
RPD00 47	DAF	PF 183M - any fuel pump	Catalyst	N/A	Catalytic silencer. See approvals 47 at schedule C below	0.4m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 46	DAF	PF 212M - any fuel pump	Catalyst	N/A	Catalytic silencer. See approvals 46 at schedule C below	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 40	DAF	XF 250M fuel pump 1386041 only (see note 6 below)	Catalyst	N/A	Catalytic silencer. See approvals 40 at schedule C below	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 41	DAF	XF 280M fuel pump 1386040 only (see note 6 below)	Catalyst	N/A	Catalytic silencer. See approvals 41 at schedule C below	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 42	DAF	XF 315M fuel pump 1386039 only (see note 6 below)	Catalyst	N/A	Catalytic silencer. See approvals 42 at schedule C below	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A
RPD00 43	DAF	XF 355M fuel pump 1392169 only (see note 6 below)	Catalyst	N/A	Catalytic silencer. See approvals 43 at schedule C below	0.4 m <sup>-1</sup>	0.08g/kWh	M	N/A

**SCHEDULE C: ACCEPTABLE DAF CATALYTIC SILENCER PART NUMBERS - APPROVALS RPD00 40, 41, 42, 43, 46 and 47**

Silencer no	Approvals	Silencer no	Approvals	Silencer no	Approvals	Silencer no	Approvals	Silencer no	Approvals
NB 1393123	All 40 - 47	NB 1393129	All 40 - 47	NB 1393130	All 40 - 47	NB 1394223	All 40.4 - 47.3	NB 1394227	All 40.4 - 47.3
Eminox JLD 143X	All 40 - 47	Eminox WE 12085	All 40 - 47	Eminox WEBC 017	46, 47	Eminox WELJ 010	40, 41, 42, 43	Eminox WELJ012	40, 41, 42, 43
Eminox WELJ013	All 40 - 47								
Dinex 40327	40, 41, 42, 46, 47	Dinex 40328	41, 42, 43						

Note: these catalytic silencers are NOT particle traps. They may be made by a number of manufacturers, eg Nelson Burgess (NB), Eminox, Dinex etc.

**NOTES** 1) Deleted. 2) Pipe length is downpipe max length from turbo outlet flange to trap inlet. 3) 800mm of downpipe must be insulated. 4) For approval 2.1, two of these traps may be fitted in parallel. 5) The engine designation and property version number are marked on a label on the left hand side of the engine on the ECU box. 6) Fuel pump part nos. are marked on a red tag on pump on LHS of engine. 7) May be marked on data plate or on modification notice on inlet manifold.