

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-107-3  
Relating to Certification of New Heavy-Duty Motor Vehicle Engines

PERKINS ENGINES LIMITED

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102 and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following Perkins Engines Limited 1991 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems &amp; Special Features</u>
MPE0365FAA1 (Phaser 180Ti)	6.0 (365)	Turbocharger Charge Air Cooler

Engine models and codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per brake horsepower-hour are:

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.25

The certification exhaust emission values for this engine family in grams per brake horsepower-hour are:

<u>Engine Family</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
MPE0364FAB9	0.4	1.5	4.8	0.25

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 9<sup>th</sup> day of October, 1991.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

199 1 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINESManufacturer Perkins Engines (Peterborough) Limited Engine Family (Phaser 180Ti) MPE036SFAA1Liters (CID) 5,985 (364,9) Engine Type I-6Emission Control Sys. & Special Features TC, CAC  
(Use abbreviations per SAE J1930 Jun88)

Engine Model (Eng. Code)	Fuel Injection Pump Mfr.  Part Number	Injector Mfr.  Part Number	Maximum Rated HP and RPM	Fuel Rate at Maximum HP mm <sup>3</sup> /stroke	Label Ident.
Phaser 180Ti (YE)	Bosch 2642C651 or 2642C652 uses remote lift pump	Bosch 2645F012	180 bhp at 2600 rpm	91,8 to 83,77	TBA

Revisions:  
031390