Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.


Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavyduty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and GERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

| in g/bhp-hr | NMHC |  |  |  | NMHC+NOX |  | CO |  | PM |  | HCHO |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | FTP | EURO | FTP | EURO | FTP | EURO | FTP | EURO | FTP | EURO | FTP | EURO |
| STD | 0.14 | 0.14 | * | * | * | * | 15.5 | 15.5 | 0.01 | 0.01 | * | * |
| FEL | * | * | 0.35 | 0.35 | * | * | * | * | * | * | * | * |
| CERT | 0.000 | 0.000 | 0.22 | 0.16 | * | * | 0.04 | 0.00 | 0.01 | 0.004 | * | * |
| NTE | 0.21 |  | 0.52 |  | * |  | 19.4 |  | 0.02 |  | * |  |

4 ghbhp-hragrams per brake horsepower-hour, FTP=Federal Test Procedure; EURO=Euro lil European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=NOt-10-Exceed; STD=Etandard or amission test cap; FEL=farnily emission limit; CERT=centification level; NMHC/HC=non-methana/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate metter; HCHO=formaldenyde;
BEIT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.
BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [ $30 \mathrm{~g} / \mathrm{hr}$ NOx] and section $35 . \mathrm{B} .4$ of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted Dec. 12, 2002, as last amended Sep. 1, 2006, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.
BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).
BE IT FURTHER RESOLVED: The listed engine models are conditionally certified pending submission of additional test data to verify compliance with useful-life emission standards. The manufacturer has until July 30, 2010 to provide test data to confirm or correct the certification emissions levels on this conditional certification. Failure to resolve concerns by the specified time, shall be cause for the Executive Officer to rescind this conditional certification, in which case all engines covered under this conditional certification would be deemed uncertified and subject to civil penalties pursuant to Health and Safety Code Section 43154.

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 Executive Order.
Executed at El Monte, California on this _ 1 the day of January 2010.



