| California Environmental Protection Agency AIR RESOURCES BOARD | GENERAL MOTORS CORPORATION | EXECUTIVE ORDER A-006-1128 New Diesel or Incomplete Medium-Duty Vehicles Using Certified Engines |
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Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC) Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-45-9;

**IT IS ORDERED AND RESOLVED:** That the diesel or incomplete medium-duty vehicles with a manufacturer's gross vehicle weight rating (GVWR) from 8,501 to 14,000 pounds are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

| ENGINE DESCRIPTION | | | | | | | |
|---|---|---|---|---|---|---|---|
| MANUFACTURER | MODEL YEAR | EXECUTIVE ORDER | ENGINE FAMILY | EMISSION STANDARD CATEGORY | ENGINE SIZE (liter) | FUEL TYPE (CNG/LNG=compressed/liquefied natural gas; LPG=liquefied petroleum gas) | STANDARDS & TEST PROCEDURE |
| GENERAL MOTORS CORPORATION | 2003 | A-006-1127 | 3GMXH04.8581 | ULEV | 4.8 | Gasoline | Otto |

| Gasoline, LPG or Alcohol Vehicles Only | | VEHICLE MODEL YEAR | ON-BOARD DIAGNOSTIC | ENGINE MODELS / CODES (rated power in horsepower, hp) |
|---|---|---|---|---|
| EVAPORATIVE FAMILY | FUEL TANK CAPACITY (gallons) | 2003 | Partial Compliance | |
| | | VEHICLE MAKE & MODELS | | |
| 3GMXE0459998 | 35 / 55 | Chevrolet G30; GMC G30 | | LR4 / 51 (275 hp) |
| | | | | |
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The following are the exhaust emission standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) in grams per brake horsepower-hour (g/bhp-hr) for this engine family for non-methane hydrocarbon (NMHC) plus oxides of nitrogen (NOx) (NMHC+NOx), NMHC, carbon monoxide (CO) [except that "diesel" CO certification compliance may have been demonstrated pursuant to Code of Federal Regulations, Title 40, Section 86.091-23(c)(2)(i) in lieu of testing], particulate matter (PM), and formaldehyde (HCHO) (Title 13, California Code of Regulations, (13 CCR) Section 1956.8): (For flexible- and dual-fueled engines, the CERT values in brackets [ ] are those when tested on conventional test fuel.)

| * = not applicable [g/bhp-hr] | NMHC+NOx | NMHC | CO | PM | HCHO |
|---|---|---|---|---|---|
| (DIRECT) STANDARD | 1.5 | * | 14.4 | * | 0.050 |
| CORPORATE AVERAGE STANDARD | * | * | * | * | * |
| FAMILY EMISSION LIMIT (FEL) | * | * | * | * | * |
| CERTIFICATION LEVEL | 0.6 | * | 4.8 | * | 0.003 |

**BE IT FURTHER RESOLVED:** That 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:** That the listed engine models have been certified to the optional emission standards and test procedures in 13 CCR Section 1956.8 applicable to diesel or incomplete medium-duty vehicles with a GVWR from 8,501 to 14,000 pounds and, therefore, shall be subject to 13 CCR Section 2139(c) (in-use testing of engines certified for use in diesel or incomplete medium-duty vehicles with a 8,501-14,000 pound GVWR).

**BE IT FURTHER RESOLVED:** That the listed engine models have been certified to the Option 1 federal NMHC+NOx emission standard listed above pursuant to 13 CCR Section 1956.8.

**BE IT FURTHER RESOLVED:** That for the listed vehicle models, the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR Sections 1965 (emission control labels), 1968.1 (on-board diagnostic, full or partial compliance), 1976(b)(1)(B) and (C) {evaporative emission standards}, 2035 et seq. (emission control warranty), and 2235 [fill pipes and openings of motor vehicle fuel tanks]. (The braces **{ }** are for gasoline, LPG or alcohol fueled vehicles only. The brackets **[ ]** are for gasoline or alcohol fueled vehicles only.)

Vehicles certified under this Executive Order shall 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 14TH day of March 2002.

Allen Lyons, Chief
New Vehicle/Engine Programs Branch

SUPERSEDED

# ENGINE FAMILY 3GMXH04.8581

# EVAPORATIVE FAMILY 3GMXE0459998

# CALIFORNIA FAMILY MODEL USAGE

| Eng Code | Eng Model | Disp (CID) | SFI | Emission Control System Exhaust | Evaporative | Model Usage | Governor | Trans | GVWR# | Sales |
|---|---|---|---|---|---|---|---|---|---|---|
| 51 | LR4 | 4.8 (293) | 1 | TWC | C-SL-TBP | G30* | None | Automatic | 8501 - 14000 | California |

* Incomplete vehicles only

NOTE: All G20 and G30 trucks are badged either Chevrolet or GMC.

(Partial OBD – one def.)

SUPERSEDED

EO#: A-006-1128