



**CLEAN EMISSIONS PRODUCTS INC.**

"Every Engine Deserves Clean Emissions"

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## **OSHA Carbon Monoxide (CO) Exposure Limits Federal Regulation # 1910.1000**

### **OSHA (PEL):**

The current Occupational Safety and Health Administration permissible exposure limit (PEL) for carbon monoxide is 50 parts per million (ppm) or 55 milligrams per cubic meter (mg/m<sup>3</sup>) over an 8 hour time-weighted average (TWA).

### **NIOSH (REL):**

The National Institute for Occupational Safety and Health has established recommended exposure limit (REL) for carbon monoxide not to exceed 35 ppm or 40 milligrams per cubic meter (mg/m<sup>3</sup>) over an 8 hour TWA and 200 ppm (229 mg/m<sup>3</sup>) as an absolute exposure ceiling.

### **Typical Carbon Monoxide Conversion Results By Fuel Type:**

<b>Fuel Type</b>	<b>Untreated CO Levels</b>	<b>Post Clean Emissions Catalyst</b>
Diesel	300-1000 ppm	3-10 ppm (99% Reduction)
Propane (LPG)	3,000-10,000 ppm	30-100 ppm (99% Reduction)
Gas	5,000-30,000 ppm	50-300 ppm (99% Reduction)