



Clean Emissions Products Inc.

“Every Engine Deserves Clean Emissions”

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^3) over an 8 hour time-weighted average (TWA).

NIOSH (REL):

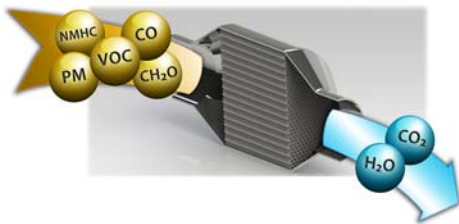
The National Institute for Occupational Safety and Health has established recommended exposure limit (REL) for carbon monoxide not to exceed 35 ppm or $40 \text{ mg}/\text{m}^3$ over an 8 hour TWA and 200 ppm ($229 \text{ mg}/\text{m}^3$) as an absolute ceiling.

Typical Carbon Monoxide Conversion Results:

Fuel Type	Untreated CO Levels	After Clean Emissions
Diesel	300-1000 ppm	3 – 10 ppm (99% conversion)
Propane (LPG)	3,000 – 10,000 ppm	30 – 100 ppm (99% conversion)
Gas	5,000 – 30,000 ppm	50 – 300 ppm (99% conversion)

The Clean Emissions Products Inc. Oxidation and NSCR (3-Way) catalyst is specifically designed to reduce and convert deadly CO (carbon monoxide) into simply CO_2 (carbon dioxide) and H_2O (water vapor).

CO Reduction Reaction with Oxidation



CO Reduction Reaction with NSCR (3-Way)

