

Truck and Bus Regulation Heavy Crane Phase-In Option

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This summary describes a compliance option for heavy cranes in the fleet and how owners of heavy cranes can use the option.

What is the Heavy Crane Phase-In Option?

This option allows crane owners to exclude certain heavy cranes from the general requirements of the regulation and to comply by replacing heavy cranes with 2010 engines from 2018 to 2027. This option also allows any heavy crane that is equipped with a PM filter before 2018 to be grandfathered-in. Owners must report by January 31, each year to comply with this option.

What is a Heavy Crane?

“Heavy Crane” means an on-road single engine crane that is certified as power-operated equipment that can hoist, lower, and horizontally move a suspended load, is required to be operated by a licensed crane operator, and has a gross vehicle weight rating of 54,000 pounds or more. The Heavy Crane definition excludes cranes that can be operated without a crane license, crane trucks that have mounted lifting equipment rated at 2,000 pounds or less, crane trucks that are designed to transport cargo, truck mounted derricks, sideboom cranes, concrete pump trucks, loader cranes, knuckle-boom cranes, and tow trucks. Examples of eligible cranes are shown below.



How do I take advantage of the Heavy Crane Phase-In Option?

To be eligible to use the heavy crane phase-in option for each compliance year, the fleet must meet the minimum 2010 or newer engine requirement as shown in the following table. Each January, the owner must report which heavy cranes have 2010 or newer engines and which cranes will use the option to delay compliance another year.

Compliance Deadline as of January 1	Required Heavy Crane Fleet Upgrades to 2010 or Newer Model Year Engines			
	1 Crane Owner	2 Crane Owner	3 Crane Owner	4 or More Cranes
2018				10%
2019			1	20%
2020		1		30%
2021				40%
2022	1		1	50%
2023				60%
2024				70%
2025		1		80%
2026			1	90%
2027				100%

While this document is intended to assist fleets with their compliance efforts, it is the sole responsibility of fleets to ensure compliance with the Truck and Bus Regulation.

How do I determine how many heavy cranes with 2010 engines I need when rounding?

Count the total number of heavy cranes with 2010 engines plus those that are listed as using the heavy crane phase-in option, then multiply by the percentage required for that year. Take the answer and round it to the closest whole number. This will give you the number of heavy cranes that must have a 2010 MY or newer engines in your fleet for that year. For example, a fleet that has 8 heavy cranes must meet the 10 percent requirement by January 1, 2018. Multiply 8 heavy cranes x 10% = 0.8 which rounds up to one crane with a 2010 engine. The remaining 7 heavy cranes would be reported as using the heavy crane phase-in option for 2018.

Is there any way to keep existing heavy cranes in my fleet?

Yes, if you equip a heavy crane with a retrofit PM filter or have purchased a heavy crane with an original equipment PM filter before January 1, 2018, it will be exempt from the requirement to upgrade to a 2010 model year or newer engine and will count towards the heavy crane compliance the same as a 2010 engine crane.

How does the heavy crane option affect the compliance of other heavy vehicles in the fleet?

Heavy cranes that use the heavy crane phase-in option are excused from meeting the general requirements of the regulation, but are otherwise counted like any other vehicle in the fleet that does not have a PM filter when using flexibility options. This means that heavy cranes are still counted in determining the fleet size and what portion of the entire fleet (heavy cranes plus other trucks) is equipped with PM filters when using other compliance options.

Where can I get more information?

Fact sheets, compliance tools and regulatory documents about the Truck and Bus Regulation are available at www.arb.ca.gov/dieseltruck. If you have questions or wish to obtain this document in an alternative format or language, please call ARB's diesel hotline at (866) 6DIESEL (634-3735). TTY/TDD/ Speech to Speech users may dial 711 for the California Relay Service.

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