

TIER 4 ARE YOU READY?

Louisiana 

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TIER 4

QUESTIONS & ANSWERS:

What is Tier 4?

Tier 4 is a government mandated reduction in harmful exhaust gases for diesel powered equipment. Tier 4 standards will require significant emission reductions of particulate matter (PM) and Nitrogen Oxides (NOx). PM is defined as the black smoke/soot found in engine diesel engine exhaust, and NOx is defined as nitrogen monoxide and nitrogen dioxide.

How will Tier 4 affect my fuel economy?

Tier 4 should show a slight increase in fuel economy over Tier III.

Will all manufacturers be on the same timeline?

The schedule is consistent for all manufacturers, however, each manufacturer has the ability to use “flex credits” on individual product lines.

How will Tier 4 affect my overall owning and operating costs?

Both your owning and operating costs could possibly be higher. Your owning costs could increase as manufacturers try to recoup their development and implementation costs for Tier 4 technology. Your operating costs could also increase with the requirement to buy ultra low sulfur diesel and pay for expensive after-treatment chemicals.

If I don't own a Tier 4 compliant fleet, will it affect my ability to bid and perform work?

Throughout the country and within our local and state governments, emission requirements are rapidly changing. Compliance with emissions regulations is not a choice. In fact, it is mandatory in some places.

TIER 4 TIMELINE:

2008

Tier 4a:
25 to 75hp

(NOx+PM)

2009

2010

2011

Tier 4a:
175 to 750hp

(NOx+PM)

2012

Tier 4a:
75 to 175hp

(NOx+PM)

Noncompliance penalties can include:

- Hefty fines
- Stepped-up enforcement by local and state agencies
- Bid specifications and site permits that require diesel emissions reductions
- Decreased profit margins and potential job loss
- Legal actions, litigation costs and lost time.

Will I continue to be able to buy replacement engines and repair/rebuild non-Tier 4 engines?

While we see the government restricting the sales on non-compliant Tier 4 replacement engines, we do not foresee the government limiting the sale of replacement parts for non-Tier 4 engines.

What should I do to plan for the upcoming Tier 4 requirements?

You need to plan your purchases and replacements around the Tier 4 timelines. Proper fleet review and management will be critical to your success moving forward. The more important a machine is to your operation and the longer that you plan to own it, the sooner you need to begin thinking about replacing that unit. Louisiana Cat® can help, with expertise and solutions that can be tailored to the needs of your fleet.

What is the time table for Tier 4?

Tier 4 is comprised of two significant stages. The first stage is a significant reduction of PM and NOx. The second stage is a further but substantial reduction of NOx only emissions.

2013

Tier 4b:
25 to 75hp

(NOx Only)

2014

Tier 4b:
75 to 750hp

(NOx Only)

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