

National Emission Standards for Hazardous Air Pollutants for
Reciprocating Internal Combustion Engines (RICE Rule) Training Module
40 CFR 63 Subpart ZZZZ

Script- Area Source Existing Non-Emergency Spark Ignition 4-Stroke Rich Burn
Engine >500 Horsepower (operates ≤24 hours)

NARRATOR:

[Slide 2:]

Welcome to the Connecticut Department of Energy & Environmental Protection's Online Training for the National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines, also known as the RICE Rule!

This tool is designed to help owners and operators of reciprocating internal combustion engines, also known as RICE, determine their requirements under 40 CFR Section 63, subpart ZZZZ. By answering the successive questions, your specific requirements have been estimated. Please note that they may not be complete, and refer any questions to your local authority.

[Slide 3:]

We have determined that your engine is an existing, non-emergency spark ignition 4-stroke rich burn engine located at an area source with a site rating of greater than 500 horsepower, which is operated 24 hours or less per calendar year.

Let's begin by discussing your applicable management practices.

- You must change the oil and filter every 500 hours of operation or annually, whichever comes first.

Note that an oil analysis program can be used to extend the oil change requirement; however, the oil analysis program must meet the following requirements:

- The oil analysis must be performed every 500 hours of operation or annually, whichever comes first. The oil analysis must analyze the parameters shown here to demonstrate that they do not exceed certain condemning limits, otherwise you are required to change the oil within two business days of receiving the results of the analysis or before operating the engine.

[Slide 4:]

In addition to changing the oil and filter, you must inspect the spark plugs and replace as necessary every 1,000 hours of operation or annually, whichever comes first.

Also inspect all hoses and belts and replace as necessary every 500 hours of operation or annually, whichever comes first.

At all times you must operate and maintain all equipment safely and in accordance with good air pollution control practices for minimizing emissions.

[Slide 5:]

You must demonstrate continuous compliance with the rule by operating and maintaining your engine in a manner consistent with the manufacturer's emission-related operation and maintenance instructions; or by

Developing and following your own site-specific maintenance plan which must provide for maintenance and operation of the unit in a manner consistent with good air pollution control practices for minimizing emissions.

[Slide 6:]

You must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine. This period shall not exceed 30 minutes.

[Slide 7:]

Now, let's discuss your recordkeeping requirements. You must keep records of all maintenance conducted on the engine in order to demonstrate that you operated and maintained the engine and after-treatment control device, if any, according to your own maintenance plan.

All records must be kept at least five years from the date of creation.

[Slide 8:]

You must comply with all requirements of this rule by the date shown on the screen.

[Slide 9:]

If you would like more information about the RICE rule, please visit the EPA RICE Compliance Web Page at the address shown. This site provides resources such as Q and A documents, fact sheets, sample notification forms, and recordings of webinars, all of which are designed to help you comply with this rule.

[Slide 10:]

Now, let's review the requirements for your existing, non-emergency spark ignition 4-stroke rich burn engine located at an area source with a site rating of greater than 500 horsepower, which is operated 24 hours or less per calendar year.

You must change the oil and filter and inspect the hoses and belts every 500 hours of operation or annually, whichever comes first. An oil analysis program can be used to extend the oil change requirement if all conditions are met. You must inspect the spark plugs and replace as necessary every 1,000 hours of operation or annually, whichever comes first.

You must operate and maintain the unit according to the manufacturer's written instructions or develop your own maintenance plan.

[Slide 11:]

You must keep records of engine maintenance. All records must be kept for at least five years.

You must be in compliance with all requirements of the rule by the date shown.