

NEW ENVIRONMENTAL PROTECTION AGENCY (EPA) ENGINE REQUIREMENTS

Your registered agricultural diesel engine may be subject to a new EPA regulation known as the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP) if you ordered your engine before June 12, 2006. **Note that the RICE NESHAP does not apply to “newer” engines that were ordered on or after June 12, 2006.**

The regulation’s effective date is May 3, 2013. If your engine is subject to the RICE NESHAP, you must conduct maintenance and keep records as detailed below.

Note that the RICE NESHAP applies only to stationary engines such as water well pump engines or emergency electricity generating engines. An engine that propels a car, truck, tractor, etc. is not subject to these requirements. The RICE NESHAP also applies to a portable engine such as a water booster pump engine or wood chipper engine if it is operated at the same single site at a farm for more than 12 consecutive months. A portable engine is also subject to the RICE NESHAP if the same engine operates at the same single site at a farm for 3 months (or more) per year, for two (or more) consecutive years.

REQUIREMENTS OF RICE NESHAP (40 CFR PART 63, SUBPART ZZZZ)

On and after May 3, 2013, you must:

- For *irrigation pump engines* or *wood chipper engines*, change the oil and filter every 1,000 hours of operation or annually, whichever comes first; or
- For *emergency standby engines*, change the oil and filter every 500 hours of operation or annually, whichever comes first; and
- Inspect the air cleaner every 1,000 hours of operation, or annually, whichever comes first, and replace as necessary; and
- Inspect all hoses and belts every 500 hours of operation, or annually, whichever comes first, and replace as necessary.
- Instead of changing the oil, you may analyze it at the frequency specified above. The analysis must determine the total base number, viscosity, and percent water content. If any of the following oil properties are true, you must change the oil within 2 business days of receiving the analysis.

Total Base Number	Viscosity	Percent Water Content
Less than 30% of the value when the oil was new	Changed by more than 20 percent of the value when the oil was new	Greater than 0.5 percent by volume

You must operate and maintain the engine according to the manufacturer’s emission-related operation and maintenance instructions. If you do not want to follow the manufacturer’s instructions, you must develop and follow your own written plan.

If you have an emergency standby engine, it must be equipped and operated with a non-resettable hour meter. You must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation, including operation for maintenance and testing. You must keep the hours records for 5 years following the date of each occurrence and make them available to the APCD upon request.

For all engines, keep the records of maintenance (oil, air cleaner, hoses and belts) required by your operation and maintenance plan. You must keep the maintenance records for 5 years following the date of each occurrence and make them available to the APCD upon request.