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THE  
PRODUCT

DVL ONLY OFFERS GENERAC INDUSTRIAL POWER  
IN COLORADO AND NEW MEXICO

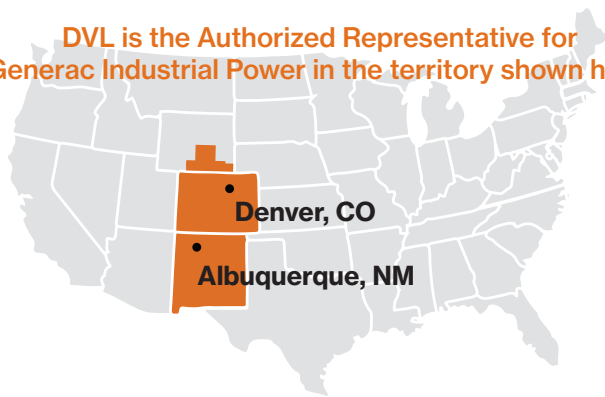
Philadelphia | Albuquerque | Denver | Harrisburg | Salt Lake City

**GENERAC**® | **INDUSTRIAL  
POWER**

# PLANNED EQUIPMENT MAINTENANCE

*From initial project planning and design to post-installation, DVL and Generac Industrial Power support customers at every stage of the power system life cycle.*

DVL is the Authorized Representative for  
Generac Industrial Power in the territory shown here.



## COMMON CAUSES OF GENERATOR FAILURE

The primary cause of generator failure is lack of maintenance. Neglecting generator maintenance can lead to physical generator damage and catastrophic equipment failures costing you money and downtime. That's why it's important to get on a scheduled generator maintenance program right after the installation process. By doing so, you preserve the operability of the generator and ensure that no unforeseen issues arise. Performing basic maintenance can prevent fuel problems, keep your machine running longer, increase efficiency, and save you money in the long run.

## POSSIBLE ISSUES INCLUDE:

- **Dry, Cracking, and Deteriorating Belts & Hoses.** An abrupt shutdown can be caused by a damaged belt or hose. A hose failure can cause the engine to overheat leading to physical generator damage.
- **Low or Dead Batteries.** Battery failure is the number one source of a generator not starting. Battery failure can be caused by prolonged use, loss of plate capacity, and sediment buildup.
- **Low Coolant, No Coolant, or Lack of Oil.** One of the most common causes of generator shutdown during normal operation is low coolant or engine oil. The generator has a fail-safe that shuts it down, or prevents it from starting, when there is low coolant or engine oil. This can cause permanent damage to the engine.
- **Lack of Fuel or Old/Bad Fuel.** Diesel fuel must be maintained to be reliable. Sulfur, naturally occurring gums, waxes, soluble metallic soaps, water, dirt and temperature all degrade the diesel as it is handled and stored.
- **Weather or Pest Damage.** Floods, high winds, and extreme climates can all play a vital role in generator failure and lead to physical equipment damage. In extreme temperatures, generators require additional starting aids to be 100% operational. Additionally, pests can also cause damage by building nests in the generator's enclosure.

All generators require regular maintenance regardless of annual run time. Performing necessary maintenance can help guarantee, that when called upon, your unit works as designed. Directly following gen-set installation, Generac recommends the owner put into place a maintenance program for their back-up power system.

The Generac standard maintenance program includes at a minimum, a weekly exercise of at least 20 minutes to bring the unit up to operating temperature and lubricate all moving parts and bearings. Generac additionally recommends a six month inspection, which includes a comprehensive check of the unit, enclosure and transfer switch. Annually, Generac recommends changing engine oil and all filters as well as performing a load bank test by operating the unit for several hours at the designed power level. It's also important to note that some applications, such as hospitals and assisted living facilities, require federally mandated maintenance.

### APPROVED PARTS

- We offer a complete array of Generac approved parts and accessories that can be purchased through your local Generac distributor
- Our approved parts are designed specifically to work with your Generac generator prolonging its lifespan

### PREVENTATIVE MAINTENANCE PROGRAM

- Generac maintenance contracts include recommended maintenance to be completed by Generac factory certified technicians
- Fixed pricing with a standard scope of work
- Automatically scheduled maintenance meets national regulations
- Ensures your back-up power system is ready at all times

## DIESEL FUEL VS. NATURAL GAS MAINTENANCE PLAN COMPARISON

In generator maintenance, it's also extremely important to consider fuel type. The chart below highlights key differences, in the required maintenance of diesel fuel compared to natural gas.

| Maintenance Item                   | Diesel | Natural Gas |
|------------------------------------|--------|-------------|
| Visual Inspection                  | ●      | ●           |
| Check/Change Engine Oil            | ●      | ●           |
| Change Engine Oil Filter           | ●      | ●           |
| Check/Change Air Filter            | ●      | ●           |
| Inspect/Change Belt & Hoses        | ●      | ●           |
| Inspect/Replace Starting Batteries | ●      | ●           |
| Replace Controller Battery         | ●      | ●           |
| Inspect/Change Engine Coolant      | ●      | ●           |
| Perform Load Bank Test             | ●      | ●           |
| Change Fuel Filter                 | ●      |             |
| Inspect/Clean Fuel Tank            | ●      |             |
| Analyze Fuel                       | ●      |             |
| Diesel Fuel Treatment              | ●      |             |
| Fuel Polishing (Restore Old Fuel)  | ●      |             |
| Document Maintenance               | ●      | ●           |

### FOR MORE INFORMATION, CONTACT

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