



PROTECT YOUR FUEL *BECAUSE POWER MATTERS™.*

One of the most common causes of failure and reduction in performance is insufficient attention paid to a generator systems diesel fuel supply. Diesel fuel left standing for extended periods of time degrades substantially to the point of becoming useless. Standby power systems are particularly susceptible to diesel fuel issues as it sits unattended for long periods.

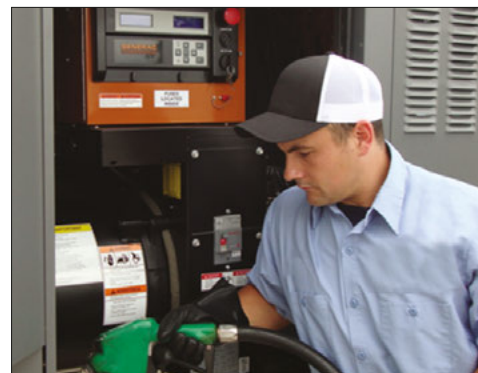
Diesel fuel is particularly susceptible to degradation by water. Water condenses on exposed surfaces to promote algae growth which lowers the cetane rating and can damage the engines fuel system. If nothing else, a diesel tank should be kept full.

Kelly Generator & Equipment, Inc. offers a 4 step fuel maintenance process to reduce engine under performance caused by poor diesel fuel. This process will ensure that your generator is ready to perform when called upon.

STEP ONE - FUEL TOP OFF

Kelly Generator & Equipment, Inc. will fuel any genset (DIESEL ONLY) with our service trucks that are equipped with 100 gallon fuel tanks. By topping off the fuel tank there is less exposed surfaces prone to condensation because the tank is near full capacity, ready, and prepared for the next outage.

Kelly Generator & Equipment, Inc. fuel top off service can be scheduled as part of a routine planned maintenance visit eliminating the need for a separate fuel vendor.





WHY YOU SHOULD MAINTAIN YOUR FUEL SOURCE WITH US.

Average Fuel Consumption (Gallons Consumed)														
kW Size	1 Month	3 Months	6 Months	12 Months	kW Size	1 Month	3 Months	6 Months	12 Months	kW Size	1 Month	3 Months	6 Months	12 Months
Exercising with no load weekly for 15 minutes					Exercising with no load weekly for 15 minutes and monthly for 30 minutes					Exercising with 50% load weekly for 15 minutes				
0-15 kW	0.2	0.6	1.2	2.4	0-15 kW	0.6	1.8	3.6	7.2	0-15 kW	0.8	2.4	4.8	9.6
16-30 kW	0.6	1.8	3.6	7.2	16-30 kW	1.4	4.2	8.4	16.8	16-30 kW	1.6	4.8	9.6	19.2
31-50 kW	0.9	2.7	5.4	10.8	31-50 kW	2.2	6.6	13.2	26.4	31-50 kW	2.6	7.8	15.6	31.2
51-100 kW	1.8	5.4	10.8	21.6	51-100 kW	4.0	12.0	24.0	48.0	51-100 kW	4.4	13.2	26.4	52.8
101-175 kW	2.6	7.8	15.6	31.2	101-175 kW	6.0	18.0	36.0	72.0	101-175 kW	6.8	20.4	40.8	81.6
176-300 kW	5.1	15.3	30.6	61.2	176-300 kW	10.7	32.0	63.9	127.8	176-300 kW	11.1	33.3	66.6	133.2
301-500 kW	8.0	24	48.0	96.0	301-500 kW	17.1	51.2	102.3	204.6	301-500 kW	18.1	54.3	108.6	217.2
501-750 kW	11.7	35.1	70.2	140.4	501-750 kW	25.2	75.5	150.9	301.8	501-750 kW	26.9	80.7	161.4	322.8
751-900 kW	13.7	41.1	82.2	164.4	751-900 kW	29.6	88.7	177.3	354.6	751-900 kW	31.7	95.1	190.2	380.4
901-1250 kW	18.4	55.2	110.4	220.8	901-1250 kW	40.3	120.8	241.5	483.0	901-1250 kW	43.7	131.1	262.2	524.4
1251-1500 kW	28.3	84.9	169.8	339.6	1251-1500 kW	56.8	170.4	340.8	681.6	1251-1500 kW	57.0	171.0	342.0	684.0
1501-2000 kW	31.1	93.3	186.6	373.2	1501-2000 kW	65.5	196.5	393.0	786.0	1501-2000 kW	68.8	206.4	412.8	825.6

STEP TWO - FUEL TREATMENT

By covering the full spectrum of potential issues harmful to diesel we ensure the fuel is up to par and ready to deliver full engine performance. Our fuel treatment products fights micro organism growth, prevent gelling, boost cetane levels, and stabilize the diesel fuel. Additional benefits from treatments are added lubrication to the fuel and dispersion of any contaminants.

STEP THREE - FUEL TESTING

During our service call our step three procedure samples the fuel to check the water contamination and any bottom sediment. The sample we take will also check the gel, flash, and cloud points. A simple dip test with a wax compound verifies if any water is present in the tank.

Checking will verify distillation of cetane levels and our method meets ASTM standards laid down to comply with annual fuel testing and required by the NFPA.

STEP FOUR - FUEL POLISHING

Fuel Polishing is the solution to fuel issues found during testing. Our fuel polishing equipment removes any water and sediment from the tank. Filters within the equipment separate contaminants and removes water, with the fuel being shock treated. Step four is an economical and earth friendly alternative to replacing fuel. Your fuel will be recycled with minimal loss of product.



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