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Champion dual fuel generator natural gas conversion

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Also – any comments from those with experience with this generator will be appreciated. thanks, The Last Buckaroo is edited by Buckaroo5; 06-24-2014 at 09:40 AM. Sponsorship Links (Register now to hide all advertisements) 07-21-2014, 05:59 PM #2 Junior Members Join Date: Jul 2014 Posts: 1 Re: Natural Gas vs. LP Gas for Double-Fuel Champion Generator Bump, I saw the same generator and had the same question I want to use the home NG connection for long-term use. I found this kit, but no reviews yet. I might just give it a try. 07-21-2014, 06:32 PM #3 Senior Member Join Date: Feb 2009 Location: WV Posts: 689 Re: Natural Gas vs. Gas LP for Champion Dual Fuel Generator You may need to contact the manufacturer about switching to natural gas. Usually changes in orifice are needed at least (natural gas has lower pressure and requires a larger orifice), but the manufacturer may not support such conversions. 07-21-2014, 06:55 PM #4 Banned Join Date: Oct 2008 Location: Hawaii, UNITED STATES Posts: 936 Re: Natural Gas vs. LP Gas for Champion Dual Fuel Generator Sponsored Links (Register now to hide all advertisements) Keep in mind that natural gas may not be available after a massive earthquake or black that can take out a 100 lb liquid propane tank will give you more than one week worth of running time and can be transported behind the pickup to be refilled. 07-21-2014, 06:59 PM #5 Members Join Date: Sep 2005 Location: Minneapolis 17,990 Re: Original Gas vs LP Gas for The Champion Dwi Fuel Generator I looked at the Champion's website and it seems that their bi-fuel model is quite new, this website is set 2011 Jun It says this: The petrol run period has been tested to run for 8 hours at 50% load for a near-full tank. (Leaving a gap of 1/4 in. in the tank to allow the development of fuel) Lpg Lpg Time has been tested for walking for 4-5 hours at 50% load, for a standard cylinder of 20 lb. LPG running time can also vary in hours depending on the size of the cylinder used.* So note that you need to get a large LP tank or be prepared to change it often. It also says it's only for both fuel sources, not for anything else: Fuel: Champion Power Equipment dual fuel generators are designed to use only two (2) fuel types, Petrol (petrol) and LPG (liquid propane gas). The engine is also certified to specific emissions standards for both fuel, so any modification of the generator and/or engine to any other type of fuel can UNDO the guarantee. We do not recommend installing, modifying or attaching any other fuel conversion kit to any generator. 07-21-2014, 07:38 PM #6 Senior Member Join Date: Apr 2012 Posts: 528 Re: Natural Gas vs. LP Gas for Champion Dwi Fuel Generator Even though I have no experience with that generator, I have working experience as a mechanic on the propane forklift, and now my work now that is a mechanic on natural gas engines for power generation Even though the generator I worked on is usually 1,000 hp above, the parts for the fuel system are still the same. Established natural gas usually only has fuel pressure regulators on fuel lines, which feed into carburetors. The propane system will have a propane tank that feeds the vaporizer to convert liquid propane into vapor for fuel consumption. Topped with the propane is that never goes bad ... but the bottom is if the vaporizer fails, or the leakage of the fuel line, or the vaporizer's inner fuel valve allows too much fuel into the carburetor, the fuel system will literally freeze, even in the summer dying at 100 degrees. As mentioned, natural gas companies can always have a line chest or have a shortage of supplies, or the city may be able to turn off utilities during major natural disasters to avoid any major damage to their systems. Last edited by mech-tech; 07-21-2014 at 07:41 PM. 09-14-2017, 07:17 AM #7 Senior Member Join Date: Apr 2012 Posts: 818 Re: Natural Gas vs LP Gas for Dwi Railway Champion Do you ever have a generator get your natural gas to run 09-14-2017, 02:43 PM #8 Members Join Date: Feb 2014 Location: Montreal, Canada/Upstate NY Posts: 1,922 Re: Natural Gas vs. LP Gas for Double-Generating Fuel Champion I know this is a 3-year-old thread, but only to add LP vs LP Gas to Champion Dwi Fuel Generator I know this is a 3-year-old thread, but only to add LP I see that the ready-made generator Kilowatts for NG become slightly less than LP, such as 29 KW for LP and th the same generator puts 18 KW on NG. It looks like NG has approximately 10% less power output; Lower octane? ----- Excerpt: Tim The Toolman Taylor: When I walk into the Sears Craftsman tool post, my nipples get rock hard! JURNAL GARAJ Visa Info Hamparan - Specifications & Treatise Anyone with information, corrections or new photos they would like to add, please contact Kevin (KMScot) or Mike (Zoomieport) 09-14-2017, 02:45 PM #9 Senior Member Joins Date: Feb 2011 Location: SE MI Posts: 34,518 Re: Natural Gas vs. LP Gas for Double-Fuel Champion Generator Quote: Originally Posted by FMC1959 Looks like NG has about 10% less power output. lower octane? Octa is the wrong word. Lower energy density (BTUs/cubic meters and similar pressure). Also, the LP is not genuine propane. Depending on your location and the time of year, you'll get a mixture of propane and butane. Last edited by theoldwizard1; 09-14-2017 at 02:49 PM. 09-14-2017, 06:33 PM #10 Members Join Date: Apr 2014 Location: At the old blacksmith store at woods Posts: 8,141 Re: Natural Gas vs. Gas LP for Champion Dual Fuel Generator Quote: Originally Posted by FMC1959 I saw that larger home-ready generators typically show Kilowatt's output for NG to be a little less than LP, like 29 KW for LP and the same generator that put 18 KW on NG. Looks like NG has about 10% less power output; lower octane? Add to that, the height with a gas generator has a greater (negative) effect than liquid fuel. We have reset to run at our height, which helps, and overcome it to summarize the difference.----- Despair and invention is found in a dictionary somewhere between Fear and Homeless Golden Rules - Leftie Loosey, Right 09-14-2017, 07:13 PM #11 Banned Join Date: June 2014 Location: Jersey/Staten Island Posts: 9,104 Re: Natural Gas vs. LP Gas for Double Champion Fuel Generator For reference - ANY convertible petrol generator to run natural gas. All you need to do is buy a conversion kit. It's basically just a pressure regulator. USCARB.COM't have a kit for almost any generator. And natural gas is cleaner fuel to run the engine on. 09-14-2017, 09:42 PM #12 Junior Member Join Date: Sep 2014 Posts: 26 Re: Natural Gas vs. LP Gas for Champion Dual Fuel Generator Quote: Originally Posted by Lassen Forge Add to that, altitude with gas generator has a greater (negative) effect We have us specifically rejected to walk at our altitude, which helps, and overcomes it to sort for differences ... Agree. I have a double-fuel model mentioned at the beginning of this thread, and it will easily do a gasoline wattage rated running on the propane (actually more, but I didn't dare do it long since the generator's head wasn't judged for it). I was in Michigan that died flat and relatively low, and I have to believe that help (in terms of altitude/power output). I was honed by a huge generous line that from my houses propane tanks. It was used quickly so I could connect it easily in case of problems. 09-15-2017, 03:19 PM #13 Expert Right Sertai Date: Apr 2012 Post: 818 Re: Original Gas vs Gas LP for Champion Dual Fuel Generator Quote: Originally Posted by kctyphoon For reference - - Petrol generators can be changed to carry out natural gas. All you need to do is buy a conversion kit. It's basically just a pressure regulator. USCARB.COM't have a kit for almost any generator. And natural gas is cleaner fuel to run the engine on. The point of being this model already has the ability to run the propane. So it should be possible to jet for natural gas if a man is able to think of specifications 11-22-2017, 12:45 PM #14 Member Joins The Date: Mar 2010 Posts: 53 Re: Natural Gas vs. Gas LP Gas for Champion Dual Gener Fuel I have the same Double Fuel Champion and want to run it on my home NG supply 06-23-2018, 11:23 PM #15 Junior Member Join Date: Location June 2018; inside the Posts house: 2 Re: Natural Gas vs. Gas LP for Champion Double Fuel Generator Quote: Originally Posted by slc97sr5 Any information about this? I have the same Double Fuel Champion and want to run it on my home NG supply. BUMP I was thinking of buying one of these and would love to just change the jet to make it work in NG. Sure, I can buy a tri-fuel kit, but this thing is already equipped with bi-fuel. Whoever does this? 06-23-2018, 11:39 PM #16 Banned Join Date: June 2014 Location: Jersey / Staten Island Posts: 9,104 Re: Natural Gas vs. Gas LP for Champion Of Double Fuel Generator Quote: Originally Posted by philip_g Point becomes this model already has the ability to run propane. So it should be possible to jet for natural gas if a man is able to think of the specifics Every generator has the ability to run natural gas. It's actually supposed to be better fuel than what literature says online. My point is that paying more for options that don't fit the needs may not be worth it. It may require different pressure regulators. I'm not sure. Prices on big fuel and kits after supermarkets have dropped significantly after there was huge demand from previous storms. I think it could probably buy a standard generator, and just buy a kit (which is easy to install) for the same or perhaps a little more money than buying that at the moment doesn't do what he wants. Anyway – it is possible to contact a place like uscarb.com and ask them what you need accurately, and it is possible to get some parts of them as well. Tri tries of fuel kits were about half the price they were a few years ago. It's cheap enough that you can easily recover money if you need to run a generator for a long time using NG instead of gasoline. Without actually knowing or seeing how the bi fuel system at the Champions was established, IT MAY be more of a headache to change it. It may also be very simple. You have to have one and then think about it unless someone has information to post. I'm sure perhaps, anything is possible with time and money. The addition to the kit is basically a pressure regulator and spacer with entry for gases that occur between air and carb files. It may not be as simple as that on factory-equipped units Champions, and you might wind up having to buy conversion kits anyway. Without knowing before hand, it's a das roll. But you may be able to buy another similar sized generator cheaper and simply change it with minimal effort and no actual research. There is no benefit to buying a propane model that is driven if you need to buy a conversion kit anyway.. just save money and buy a standard generator, and then add the appropriate kit if that's what you need to do as well. Hopefully someone with first hand knowledge can intervene, but without it all just guesses. Last edited by kctyphoon; 06-24-2018 at 12:02 AM. 06-23-2018, 11:58 PM #17 Banned Join Date: June 2014 Location: Jersey/Staten Island Posts: 9,104 Re: Natural Gas vs. Gas LP for Double Champion Fuel Generators Here – there are kits available to do this, and you may not NEED all of this – but it looks like you'll buy a complete conversion kit anyway for \$170 to achieve this. As I said, it might beat the purpose of buying a particular generator in the first place. 06-24-2018, 03:08 PM #18 Junior Member Join Date: June 2018 Location: inside the Posts house: 2 Re: Natural Gas vs. Gas LP for Champion Dwi Fuel Generator I can pull the trigger and buy this Champion generator anyway. Costco has for \$550 double fuel cheaper than anything else I've seen for 7kw gensets. I'm probably okay with propane/petrol for now. It would be very nice to be able to connect to NG as well. Then in an emergency, simply wheel out, connect to NG and plug into the transplant switch. I'm guessing differently in bitri fuel is the flow rate. At least most of the propane things I saw worked that way. Different nozzles are all it takes. Even though I tossed the bifuel, it was still a great price. 06-24-2018, 03:43 PM #19 Senior Member Join Date: Mar 2014 Posts: 4,597 Re: Natural Gas vs. Gas LP for Champion Dual Fuel Generator Quote: Originally Posted by bzncrew I can pull the trigger and buy this Champion Generator Champion anyway. Costco has for \$550 double fuel cheaper than anything else I've seen for 7kw gensets. I'm probably okay with propane/petrol for now. It would be very nice to be able to connect to NG as well. Then in an emergency, simply wheel out, connect to NG and plug into the transplant switch. I'm guessing differently in bitri fuel is the flow rate. At least most of the propane things I saw worked that way. Different nozzles are all it takes. Even though I tossed the bifuel, it was still a great price. Most of the after-market conversions from gas are tri-fuels. I have an earlier 7KW Kosco Champion who is just a gas. It has been excellent generator. I recommend you call The Champion with your questions. I had some questions and had to replace the battery holdown strap. Replaced free; no charges. They are very helpful and I am sure it is a common question. Sent from SM-G900V I use Tapataalk 06-03-2019, 02:24 PM #20 Junior Members Join Date: June Location: SoCal Posts: 1 Re: Natural Gas vs. LP Gas for Double Champion Fuel Generator It would be very interesting to hear if anyone had converted one of the Champions Double-fuel generators to run natural gas instead of the propane. They come dual-fuel, with systems integrated into generators, including gas installations. If one is able to change the type of fuel with something like an orifice change, and maintain the entire double-fuel system, this would be an interesting way to configure units for natural gas. This can be preferred to add a third-party system. If you have done this, please post the details. Champions cannot offer guidance because the rules apply to manufacturers for such changes. « Previous Threads | Next Thread » Broadcast Rules You can't run new threads You can't post replies You can't run attachments You can't edit your post the HTML code is On Sponsored Links (Sign up now to hide all ads) All the time is GMT -5. The time now is 12:43 PM.

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