



HYPERMILING: MAXIMIZE YOUR PERFORMANCE WITH LION'S TECHNIQUES



Anxiety is everywhere. Why can't driving be stress-free and enjoyable? Well, it is possible, especially when you combine The Lion Electric Co.'s purpose-built 100% electric buses and hypermiling strategies. Renown for being the safest on the market, the Lion buses, in combination with regular hypermileage techniques, are the perfect solution to maximize your performance and minimize anxiety about range and maintenance. Hypermiling in electric vehicles is not that different than other driving techniques except that it's evaluated in miles per kilowatt per hour instead of miles per gallon. However, in order to exceed the usual range limit of your bus, you'll need knowledge and practice, qualities that Nancy Jensen, Twin Rivers driver trainer, fully masters. For example, she was able to drive one Lion bus from Truckee to Sacramento, California, a path representing 100 miles, using only 75% of the electric charge. Such charge level usually represents a range of about 59 miles, but she still managed to get to her final destination with 20 miles of charge left. Based on this impressive achievement, we decided to share her special techniques, in addition to offering a refresher on those that are already well known.

⚡ Techniques for all

Hypermiling can be applied to all types of vehicles as a way to reduce energy consumption while driving in order to maximize mileage range. Acceleration and deceleration require more energy than keeping a constant speed. The best way to conserve energy is to keep pumping the brakes and the gas pedal to a minimum and to try to never have to stop the vehicle completely. Nancy suggests driving as if there was an eggshell between your foot and the pedal. Another strategy to limit the use of the brakes is to use the environment around you, let the slopes propel you and pay attention to the vehicles in front of you to maintain a more consistent speed. It's all about timing and foresightedness.

🛡️ Don't just save but regenerate

Following the previous statements on the importance of slowing the braking process while driving any vehicle, one particularity of Lion buses comes to mind. All of the Lion's zero-emission vehicles are equipped with a regenerative braking system. This intuitive device is used to recharge the batteries while the brakes are being applied. This technique is only possible on electric vehicles since the friction between the wheel and the brakes create power. Therefore, power is created by effective use of braking. When the amount of energy generated by the regenerative system is too much to all be stored, some is lost to the air. When using regenerative technology, not only do you drive in order to consume less power, but you drive in a way to recharge lost power.

🧠 "Knowledge is power"

Nancy probably was not the first one to say so. In order to master something such as hypermiling, you need training. That's what the Lion Academy is for. Thus, the Lion Academy first suggest for you to get to know your buses dashboard. Learn to interact and understand what information is available to the driver. Then become accustom to the whole product. See practice as the key to success, since as they say, practice makes perfect. Before you know it, you'll be using the hypermiling technique without even thinking about it, improving safety of the drivers around you, lowering global consumption, and getting a better performance out of your vehicle.

💰 Still need persuasion?

If you're not yet convinced that hypermiling is for you, wait until you see all of its benefits. **First**, it is the least stressful method of driving. **Second**, being stress-free makes you more aware of your surroundings, improving your safety and the others on the road with you. **Third**, it allows you to save money. By being aware of your consumption, using less energy, and even regenerating power with Lion's electric alternative, you won't pay as much on fuel. It's been proven that, with Lion electric buses and the technique of hypermiling, you can improve your range limit by up to 20%. **Fourth**, driving this way increases durability and extend life expectancy of your brakes. **Fifth**, it can make driving fun. Nancy suggests challenging your drivers to compete with their peers to be the most energy efficient with their vehicles. Reward them for driving these vehicles to their full potential. **The icing on the cake?** You'll be able to see results immediately. Why not give it a go? Let's power in progress with The Lion Electric Co. and make the most of hypermiling.

