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A Note on CNG Cylinders by Julia Roger

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Fuel is an essential commodity in our day to day lives. Fuel can be found in several forms and types as well. While the conventional fuels such as coal is obtained and used in the solid form, the petroleum products are purified and refined through different stages giving rise to several by products in both solid as well as liquid form. The major products of the distilling process i.e. petrol and diesel comes in the liquid form. Just like this, fuel can also be obtained in the gaseous form as well both from the conventional and non conventional sources.

Natural gas happens to one of the major non conventional sources of gaseous energy. Gases can be used as a fuel for various industrial purposes, driving of vehicles and other purposes. Natural gas is compressed and stored in a cylinder which in turn is used as fuel. This is what we call Compress natural gas, abbreviated as cng. It is stored in cylinder made of steel and placed in the tank units.

CNG was first introduced in the early 60â€™s and is widely used in a number of countries across the world at present including France, Brazil, Pakistan, Italy, Argentina and others. The gas is commonly stored in 70F at 3600psi. Pressure is directly proportional to the temperature which means that with rise in temperature, the pressure intensifies and the gas gets compressed thereby minimizing the chances of explosions or hazards.

There are four main categories of cng cylinder. Type is the cheapest but made of relatively inferior aluminum or steel. Type 2 is made of carbon or glass with a metal liner in the middle. Type 3 is has a total metal lining while type 4 is the most expensive with a throughout plastic gas liner.

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For more information on a cng, check out the info available online; these will help you learn to find the a cng cylinder!

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