

## عنوان مقاله:

COMPRESSED NATURAL GAS (CNG) TECHNOLOGY FOR POWERING VEHICLE

## محل انتشار:

دومین کنفرانس ملی CNG (سال: 1388)

تعداد صفحات اصل مقاله: 33

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## خلاصه مقاله:

CNG is a safe fuel. Being lighter than air, it disperses easily into the atmosphere and does not form a sufficiently rich mixture for combustion to take place. CNG is 130 octane, which is considerably higher than 93 octane for petrol; consequently, CNG vehicle is more energy efficient. Higher octane rating allows higher compression ratios and improved thermal efficiency<sup>4</sup>, reducing carbon dioxide emissions. CNG allows the use of catalytic converter more efficiently than diesel. Compared to petrol or diesel, CNG vehicles emit 40% less of nitrous oxide (a toxic gas that creates smog), 90% less of hydrocarbons (which carry carcinogens), 80% less of carbon monoxide (a poisonous .(pollutant), and 25% less of carbon dioxide (a major greenhouse gas

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/91839>

