# عنوان مقاله:

Determine the Useful Life of Catalytic Converter and Standard Revision of Technical Inspection Centers

# محل انتشار:

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### خلاصه مقاله:

Today, many car manufacturers can achieve emission standards through catalytic converters. The goals of this research was in tow sections. Initially, the amount of pollutants was measured to determine the role of the catalytic converters in the reduction of pollutants for \( \mathbb{T} \) types of vehicles and in \( \Delta \) cases, in the two stages before and after the catalytic converter. Then, to achieve the useful life of the catalytic converter, out of Yao test vehicle emissions were tested. Data analysis was done by SPSS software, which shows that catalytic converters can reduce up to 1.0% of exhaust emissions. This is independent of the type of vehicle. The useful life of the catalytic converters is up to \(mu \)F months, so they should be replaced at least every three years. Also, the pollutant standards of the technical examination centers are reviewed. For this purpose, the pollutants have been measured in YY00 vehicles. Due to the huge difference in technology, cars are divided into two main categories of carburetor and injector and are analyzed .statistically. Eventually, for each group of these vehicles, the values of HC, CO and Or are obtained

**کلمات کلیدی:** Catalytic Converters, Pollutants, Pollution standard, Technical Inspection

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