

## عنوان مقاله:

Effect of Diesel Exhaust and Ethanol Exhaust on Cyanuric Acid Evaporation Rate

## محل انتشار:

سومین همایش ملی کاربردهای شیمی در فناوریهای نوین (سال: 1392)

تعداد صفحات اصل مقاله: 4

## نویسندگان:

Simin Faramarzi

Mehran Taki

## خلاصه مقاله:

Selective catalytic reduction reaction is used in diesel engines in order to reduce Nitrogenoxides (NOX) pollution. This reaction involves problems including formation of white clumpson pipe wall of silencers in diesel engines. As a result, a lot of investigations have been done onthe parameters reducing deposit formation. CYA (cyanuric acid) forms the major of deposit insilencers of diesel engines.Also,Ethanol is an alternative fuel which can be used in engines.Consequently, this article studies the influence diesel exhaust and ethanol exhaust on CYAevaporation rate. The instruments used in this investigation include TGA (Thermo gravimetricalanalysis for quality and quantity scanning of CYA evaporation rate.The TGA results prove thatCYA evaporates faster under ethanol exhaust which shows .different approaches can be chosenin decomposing CYA in engines

## کلمات کلیدی:

Nitrogen oxides (NOX), Selective Catalytic Reduction (SCR), Cyanuric Acid evaporate rate, Deposit Formation, Diesel engines

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/233244>

