One-day training programme on Compressed Natural Gas (CNG) in heavy duty vehicles by M/s Eicher Motors Ltd at Department of Mechanical Engineering Automobile, Amal Jyothi College of Engineering, Kanjirappally

Report

Recipients	One-year technician training programme students (Eicher & Yamaha), Lab instructors, Faculty
Date and Time	12th of November, 2021, 11:00 AM
Venue	Chavera Hall. Divisional Block C
Organized by	M/s Eicher Motors Ltd & Department of Mechanical Engineering- Automobile, Amal Jyothi College of Engineering, Kanjirappally
Presided by	Dr. Ajithkumar J P, HIC, MEA and Coordinator- Eicher Centre Mr. Sreeram H, AP/MEA Mr. Abin Mathew, AP/MEA
Resource Person	Mr. P K Sivakumar, Trainer, Eicher Motors Ltd.

CNG, also known as Compressed Natural Gas, is an eco-friendly alternative to gasoline. Natural gas produces far fewer harmful emissions and hydrocarbons than gasoline. Using CNG makes the engine cleaner and more efficient.

One-day training programme on Compressed Natural Gas in heavy duty vehicles by M/s Eicher Motors Ltd at Department of Mechanical Engineering Automobile, Amal Jyothi College of Engineering, Kanjirappally was conducted on 12th of November, 2021, 11:00 AM at Chavara Hall. A total of 19 students from both Eicher and Yamaha training centres, 5 Lab instructors and three faculties had participated in the programme.

Prof. Dr. Ajithkumar J P, Head-in-Charge, Department of Mechanical Engineering Automobile, introduced the resource person to the participants. The resource person visited the college as part of the technology upgradation for the Eicher trained staff and to provide an in-sight on history of M/s Eicher and its growth for the students. This programme had been arranged as an introductory programme before the BS-VI training to be planned for the staff at their training facility located in Coimbatore.

Mr. Sivakumar covered the following topics in the training programme

- CNG vehicles for BS-VI norms
- Different models that had been converted to CNG for BS-VI
- Different engines which were modified for CNG conversion

- How the Eicher engines are specified
- Technical data of the converted engines
- Modifications carried out for the BS-VI norms in the vehicle
- Different sensors and actuators used in the vehicle along with its requirement and working.
- A brief on the history of Eicher motors and its growth.

In conclusion, the participants understood that the driving a compressed natural gas vehicle does not involve a higher level of risk than driving a gasoline and diesel vehicle. While it is true that any fuel must always be handled with care, there is no need to fear CNG. It produces the fewest emissions of all other fuels and contains significantly less pollutants than conventional liquid fuels.

Photographs from the inaugural sessions are included.