

JAYA ENGINEERING COLLEGE
DEPARTMENT OF MECHANICAL ENGINEERING
INDUSTRIAL VISIT REPORT

Place Visited : H V F, AVADI	
Date of Visit: 17-12-21	Time : 3..00 to 5.00 PM
Accompanying Faculty : Mr.N.Murugesan AP/MECH, Mr.R.Kasilingam /AP/MECH	

Significant Learning :

We the students of **JAYA ENGINEERING COLLEGE** and really grateful to our college management for permitting an industrial visit to H V F, AVADI. We had a great time in the industry watching all the operation going on. On our one day trip, we had a look at two sections in the industry.

They were :

1. Engine Assembly Section.
2. Chassis Assembly Section.

Engine Assembly Section:

Here, initially the engine case arrives at the first section and it is fitted with crank shaft, crank bearings and fly wheel. Then the piston one by one is attached to the crank shaft. Later on the engine head containing the inlet and outlet valve, cam shaft, rocker arm and cam springs were placed over the cylinder block.

Then in the next section fuel filter, oil coolers, sump, timing belt, gear for pump and other attachments are attached. Finally the oil sump and other casing were mounted and timing for cam operation is set and is sent for mounting on the body of the truck or a bus.

Chassis Assembly Section:

Chassis assembly starts with the first section in which a long beam with four rims of tyres is arrived then front and rear suspension is attached to the body, and in the next section the engine is mounted on the front end of the truck. The engine which arrives in this section has a flywheel, clutch plate and crank shaft. In the other section the gear box is attached to the engine's crankshaft through an input shaft and gear rod is mounted on the box.

The input shaft is coupled with output shaft via universal link and then to the differential. The muffler is then attached to the engine's exhaust pipe in the next section. The air tank is attached at the rear end which is used for breaking and for engine's combustion process.

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The fuel tank is mounted on the front end. Then the front tyres are installed the rear tyres are installed. Now the cockpit of the truck is mounted over the body of the truck correctly and then it is send for a drive or to the storage area. For every seven and a half minutes, a trolley rolls out from the factory. Both these sections have a conveyor belt on which each process is carried on. The belt keeps on moving and the operator has to complete his designated job or else its nothing but an error.

It was really exhilarating day for us in the industry. We once again express our gratitude to our college management for permitting such a stupendous industrial visit to H V F, AVADI.

Faculty Representatives

Students Representatives

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