

NOBLE GROUP OF INSTITUTIONS

DEPARTMENT OF MECHANICAL ENGINEERING

Industrial Visit Report

COMPANY VISITED: M/s Kadvani Forge ltd. Rajkot

DATE OF VISIT: 23rd August'14 (Saturday)

OBJECTIVE:

The objective of this Industrial Visit is to make the Student understand the Industries in terms of enhancing their Technical Knowledge relevant to their Subjects and to acquaint them self with respect to Quality and Safety aspects used in Industry.

PURPOSE OF INDUSTRIAL VISIT:

As a part of Curriculum of Final Year Graduate, It is important for a Students of Final year to undergo Training and understand the Actual Trend in the industries and actual Application of their Subjects like Production Technology, Manufacturing Process, Operations Research, Design & Engineering, and Industrial Tribology etc.

PROFILE OF COMPANY VISITED:

Kadvani Forge ltd. was established in 1995, at a time when the engineering industry, and particularly the automotive sector, was experiencing a change in the demand pattern. This compelled forging units to consider new ways and means to meet the buyers' requirements on qualitative and quantitative terms.

Kadvani Forge is ISO/TS-16949:2002 (TUV Asia) certified company that manufactures closed die press forgings using HOT forging technologies in the weight range - 50 gms to 80 kgs.

The production shop layout of the company is as per manufacturing process flow, which facilities very easy movement of material for the next process and help to maintain efficient and effective housekeeping. Die shop is equipped with sophisticated machines like VMC (Vertical Machining Center) with Unigraphics Nx-CAM software to maintain accuracy & consistency in the die. They can manufacture steel forgings up to 80 kg single piece weight

PRODUCT MANUFACTURED:

Kadvani Forge Ltd. Manufactures Closed Die Steel Forged products as per the customer specification in Carbon & Alloy Steel and supply them in as Forged, Heat Treated, Partially Machined Condition.

They are producing forged components up to 80kg weight.

They are Capable of Manufacturing Forging items for Diverse Industries Viz.

- Automobile , Petrochemicals, Earthmoving, Electric Transmission, Machine Tools
- All together 850 type of Components. (as on July 2008)
- Transmission Components.
- Transmission Shaft, Pinion, Crown Wheel, Sliding Gear, Differential Bevel, Ring Gear, Fixed Gear, Internal Gear. Etc
- Engine Components.
- Crank Shaft, Connecting Rods, Connecting Rod Cap, Cam Shaft, Half Piston, Rocker Arm. Etc
- Propeller Assembly Components.
- Flange Yoke, Tube Yoke, Long Fork, UJ Cross, Short fork, Etc
- Earth Moving Components.
- Track Links, Track Roller Shafts, Ring Bush Coupling Set, Worm Gear, Blanks, Drill Bits Etc
- Machine Tools and Electrical Components.
- Shafts, Hubs, Spindles, Etc
- Other Components.
- Bell Crank Lever, Slack Adjuster, Brackets, Eye, Arms, Stub-Axels, Wear Pad, Drop Arms, Etc
- Machined
- TC Cover, Nuts, Plates. Etc.