

An
Industrial Visit Report
At
Hydro Pneumatic Techniks, Udhna



Total Students: 60 (B.E-III EL Shift-II)

Date: 12/04/2016

Faculty:

1. Prof. Rajeshkumar Prasad

2. Prof. Hardik Pandya

Brief Introduction of Hydro Pneumatic Techniks, Udhna

Their expertise includes supply of: power packs and cylinders in various capacities and applications. presses. Special purpose machineries. Consultancy and backup for various imported hydraulic systems.

Their list of clients includes various public limited companies and mnc's. With years of experience in intricate hydraulics, hydro-pneumatics techniks now also provides readymade solutions for elevator industry for elevator hydraulic power packs, elevator hydraulic cylinders and parking solutions.

Their system designed with international safety guidelines, for load and safety, using world class reliable and age proven components, anyone can be rest assured for the working of their elevators.

Student's Visit Report

As a part of our curriculum of study, we have visited the “**Hydro Pneumatic Techniks, Udhna**”. We have started our visit at sharp 11:30 AM in the morning on the date 12/04/2016 and reached to the location at 12:15 PM. Then after, we were accommodated to the conference hall for small presentation by key officials. They gave us brief information of **Hydro Pneumatic Techniks** about the facilities available, rules, regulation, safety etc.

Elevator Hydraulics

The concept of an elevator is incredibly simple -- it's just a compartment attached to a lifting system. Tie a piece of rope to a box, and you've got a basic elevator. Of course, modern passenger and freight elevators are a lot more elaborate than this. They need advanced mechanical systems to handle the substantial weight of the elevator car and its cargo. Additionally, they need control mechanisms so passengers can operate the elevator, and they need safety devices to keep everything running smoothly.

Cylinder

- Bottom Mounted
- Jointed
- Flange Mounted
- Telescopic Cylinder
- Basic Elevator Control Valves
- Extra Facilities
- Pumps

Power Pack

- Lift Power Pack Immersed
- Lift Power Pack T.E.F.C
- Components



Industrial Hydraulics

This book covers the literature regarding various types of standard hydraulic system components like different types of pumps, pressure controlling components, flow control valves, check valves and direction control valves. Details of different types of tailor made auxiliaries like hydraulic tank and their accessories, filters, piping, fittings and accumulator etc. have also been described.

In addition to the above, special devices right from the conventional copying attachment system to latest electro-hydraulic system like proportional valves and servo valve with electronic controls are given in this book.

- Hydraulic Cylinders
- Hydraulic Press
- Special Purpose Machine
- Hydraulic Power Packs
- Pumps, Jacks, Valves
- Accessories, Motors



After all, we can't forget the kind support from our faculty members Prof. Rajeshkumar Prasad and Prof. Hardik Pandya for their efforts to arrange and to accompany this successful visit. We oblige these faculty members in enhancement of our knowledge lifelong.

We are also very much thankful to our HOD, Dr. Nilesh Shah and our principal madam Dr. Vaishali Mungurwadi to give permission for the visit. Unfortunately, we were unable to get the much more photographs inside/ outside the "**Hydro Pneumatic Techniks, Udhna**" campus for the security reasons. Above all laboratory photographs are taken from their website.