

Basic technology JS 2

Week : 3

Topic : Chain Drive

Chain drive : This is a mechanical energy transmission system of transmitting power from one sprocket wheel to the other on greased teeth.

Examples of Machine using Chain

- \* Bicycle
- \* Motorcycle
- \* Chain Tractor
- \* Fork lift
- \* Chain saw

Advantages

- \* It doesn't slip or creep.
- \* It is more compact
- \* It operate effectively at high temperatures
- \* It is easy to install
- \* It doesn't deteriorate due to oil, grease.
- \* It can withstand abrasive condition
- \* It can operate in wet condition.

Disadvantages

- \* It is expensive to procure
- \* It is noisy and can cause vibration.
- \* It is high cost of maintenance
- \* It requires more precise alignment.

Asslgnment

- \* state three examples machine using chain drive
- \* State three advantages and disadvantages of chain drive
- \* State two different between belt and chain drive.