NPTEL Video Course - Mechanical Engineering - NOC:Oil Hydraulics and Pneumatics

Subject Co-ordinator - Prof. Somashekhar S

Co-ordinating Institute - IIT - Madras

Sub-Titles - Available / Unavailable | MP3 Audio Lectures - Available / Unavailable

Lecture 30 - Need for Air Dryer, Analysis of Moisture Removal from Air, Typical Air Drying Methods, Basic Typ
Lecture 31 - Construction and Operation of Refrigerated Air dyers, Absorption Dryer, Adsorption Dryer, Membra
Lecture 32 - Directional Control Valves
Lecture 33 - Directional Control Valves
Lecture 34 - Directional Control Valves
Lecture 35 - Directional Control Valves
Lecture 36 - Directional Control Valves
Lecture 37 - Pressure Control Valves
Lecture 38 - Pressure Control Valves
Lecture 39 - Pressure Control Valves
Lecture 40 - Flow Control Valves
Lecture 41 - Flow Control Valves
Lecture 42 - Flow Control Valves
Lecture 43 - Estimation of leakage through spool and housing bore and Numericals on DCV, PCV and FCV
Lecture 44 - Estimation of leakage through spool and housing bore and Numericals on DCV, PCV and FCV
Lecture 45 - Hydraulic Motors
Lecture 46 - Hydraulic Motors
Lecture 47 - Hydraulic Motors
Lecture 48 - Hydraulic Motors
Lecture 49 - Hydraulic Motors
Lecture 50 - Hydraulic Motors
Lecture 51 - Hydraulic Cylinders
Lecture 52 - Hydraulic Cylinders
Lecture 53 - Hydraulic Cylinders
Lecture 54 - Hydraulic Cylinders
Lecture 55 - Hydraulic Cylinders
Lecture 56 - Numericals on Fluid Power Actuators
Lecture 57 - Numericals on Fluid Power Actuators
Lecture 58 - Subsystems: Hydraulic Reservoir, Coolers and Filters
Lecture 59 - Subsystems: Hydraulic Reservoir, Coolers and Filters
Lecture 60 - Subsystems: Hydraulic Reservoir, Coolers and Filters
Lecture 61 - Subsystems: Hydraulic Fluids, Conduits and Simple Numericals
Lecture 62 - Subsystems: Hydraulic Fluids, Conduits and Simple Numericals
Lecture 63 - Subsystems: Hydraulic Fluids, Conduits and Simple Numericals
Lecture 64 - Subsystems: Hydraulic accumulators, Classifications, Applications, Accumulator physics, Maintena
Lecture 65 - Subsystems: Hydraulic accumulators, Classifications, Applications, Accumulator physics, Maintena
Lecture 66 - Subsystems: Hydraulic accumulators, Classifications, Applications, Accumulator physics, Maintena
Lecture 67 - Oil Hydraulic Circuits: Design and Analysis
Lecture 68 - Oil Hydraulic Circuits: Design and Analysis