

UNIT 1 Hydraulics and Pneumatics. BE Mech 2015 Pattern SPPU

Sr. No.	Video Link	Medium	Remark
1	https://www.youtube.com/watch?v=p7kaKmwC09g	Hindi	Comparison between to Hydraulics and Pneumatics
2	https://www.youtube.com/watch?v=A0BuHEqDm88 https://www.youtube.com/watch?v=ZfCkDAflsJ8	English	Fluid Properties
3	https://www.youtube.com/watch?v=DW8vxeRB6KE https://www.youtube.com/watch?v=hHrPKtK-flA	Hindi	components in hydraulic systems
4	https://www.youtube.com/watch?v=M4rJO6QzDWA https://www.youtube.com/watch?v=KgphO-u7MIQ	English	components in hydraulic systems
5	https://www.youtube.com/watch?v=ttjjNu6zCps&t=34s https://www.youtube.com/watch?v=-7v1Y0GpaSc https://www.youtube.com/watch?v=hrBq6GBPLKc https://www.youtube.com/watch?v=Ge-Hg9LON2E https://www.youtube.com/watch?v=NsgShyrcvqA		Hydraulic Symbols
6	https://www.youtube.com/watch?v=GBkWDClKPiA https://www.youtube.com/watch?v=xq6Ax94R72I	English	Pressure measurement
7	https://www.youtube.com/watch?v=S_4anj7GpRo&list=PLdnqjKaksr8ruhw85YSSO6EWLhVVmSKm https://www.youtube.com/watch?v=BRhIMGkSHnY&t=35s	English	Basics of Fluid Power
8	https://www.youtube.com/watch?v=RSVKzdXf1SU	Hindi	Introduction of Hydraulics
9	https://www.youtube.com/watch?v=z_Gcb5rcGWQ		Basics of Hydraulics
10	https://www.youtube.com/watch?v=BHR4cNwVSi0 https://www.youtube.com/watch?v=F4VM_Xlp-SU	English	Losses in pipes
11	https://www.youtube.com/watch?v=L3ZuC3Bu2vk	Hindi	Hydraulic Jack using syringe
12	https://www.youtube.com/watch?v=Qy1iV6EzNHg&t=6s	English	Types of Pumps. Animation
13	https://www.youtube.com/watch?v=dIzYFuEWpi8	Hindi	Type of pumps
14	https://www.youtube.com/watch?v=TIGSBEUGYeU		Gear Pump
15	https://www.youtube.com/watch?v=aAr9dJngLqY		Animation external gear pump
16	https://www.youtube.com/watch?v=TtllvEovEtQ		Internal Gear pump
17	https://www.youtube.com/watch?v=rNZdfJU5slc	English	Internal Gear pump
18	https://www.youtube.com/watch?v=y7_AtJoUY6g	English	Internal Gear Pump
19	https://www.youtube.com/watch?v=jywoHGvicYA https://www.youtube.com/watch?v=qlgXM5ctEQc	English	Vane pump repair
20	https://www.youtube.com/watch?v=L4k2klitSrFA	Hindi	DIY hydraulic pump
21	https://www.youtube.com/watch?v=1FpT9Z4at-w https://www.youtube.com/watch?v=qw2CgdgocJ4		Axial Piston Pumps
22	https://www.youtube.com/watch?v=zupVhX5bwZ0 https://www.youtube.com/watch?v=2T-6jDm_ebl	English	Radial Piston Pumps

	https://www.youtube.com/watch?v=2T-6jDm_ebl https://www.youtube.com/watch?v=9U90tuHjCdY		
23	https://www.youtube.com/watch?v=WMO3-VPbbN8	English	Variable displacement pump Swash plate type
24	https://www.youtube.com/watch?v=WMO3-VPbbN8&t=61s https://www.youtube.com/watch?v=RjLaU8nFnzE	English	Variable displacement pump Swash plate type
25	https://www.youtube.com/watch?v=jjDn-QpVPb0 https://www.youtube.com/watch?v=cEf9rktuXbo https://www.youtube.com/watch?v=5XOK8LtnKH4 https://www.youtube.com/watch?v=gCSaklyh9cw	English	Variable displacement pump Swash plate type
26	https://www.youtube.com/watch?v=pvuMZmMilG8&t=47s https://www.youtube.com/watch?v=mCPJvrEiXCA https://www.youtube.com/watch?v=elg3LBJ1PW4 https://www.youtube.com/watch?v=IR5aopYsXnl https://www.youtube.com/watch?v=AMmvYBd6NRI	English	Pressure compensated pumps
27	https://www.youtube.com/watch?v=TocknVx5iDQ https://www.youtube.com/watch?v=PbXB2VnhpXw https://www.youtube.com/watch?v=0LIFzZY1OuU https://www.youtube.com/watch?v=Fb8o-9b4Mrc	English	Load sensing Pumps
28	https://www.youtube.com/watch?v=wqNTYLIDaxs	English	Screw Pump Construction 3 D assembly
29	https://www.youtube.com/watch?v=stjvBAO_6JQ&t=117s	English	Screw Compressor for gases
30	https://www.youtube.com/watch?v=5Ugevyva_38c	English	Two stage Screw Compressor (oil free type)
31	https://www.youtube.com/watch?v=CKIKiKplqxl https://www.youtube.com/watch?v=oCVeCGPuTjE	Hindi	Questions in Orals
32	https://www.youtube.com/watch?v=ct8Au8T3arI https://www.youtube.com/watch?v=t16h3Z1F7mY		Bent axis Hyd Motor and pump
33	https://www.youtube.com/watch?v=1Okuww-xQxc	English	Pump Efficiency
34	https://www.youtube.com/watch?v=fiJeOLkLV5I https://www.youtube.com/watch?v=uP1ZiZ4khDM	English	Pump Curves
35	https://www.youtube.com/watch?v=uP1ZiZ4khDM https://www.youtube.com/watch?v=w_7pb9RNOLI	English	Pump Curves

Compiled by Dr. S.S. Deshpande
Associate Prof. Mechanical Engineering
Govt. College of Engineering and Research
Ssa.deshpande@gmail.com