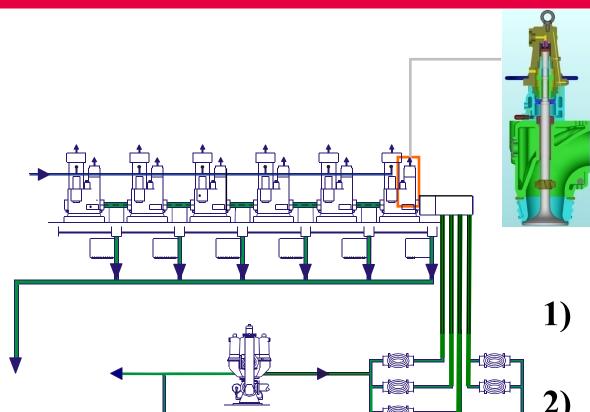
MAN Diesel PrimeServ Academy Exhaust Valve Design





Exhaust Valve System

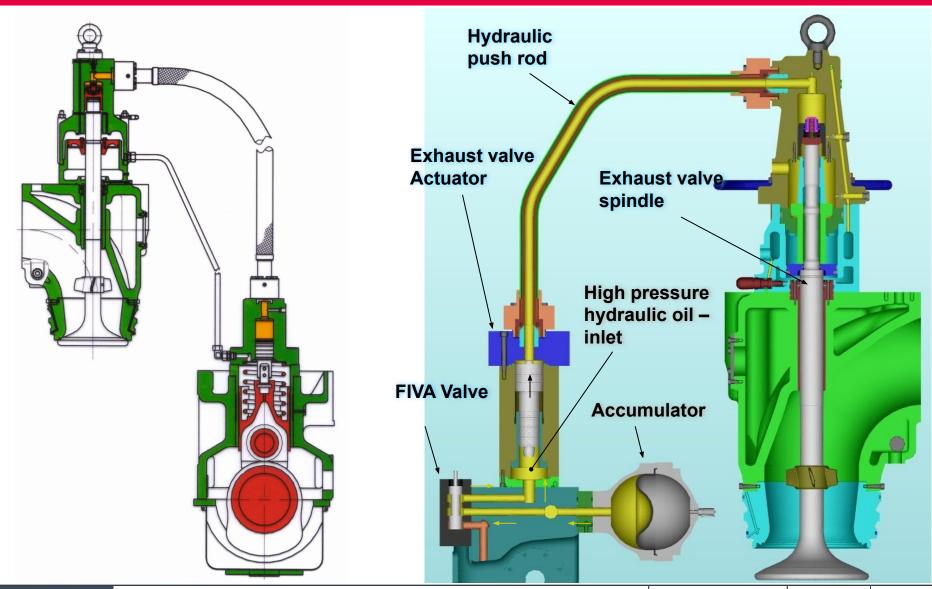




- 1) Exhaust valve actuator
- 2) Exhaust valve
- 3) Special running conditions

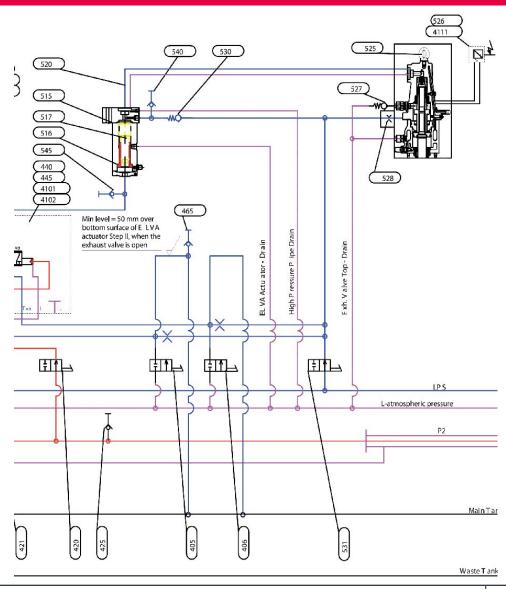
Exhaust Valve Actuation MC versus ME





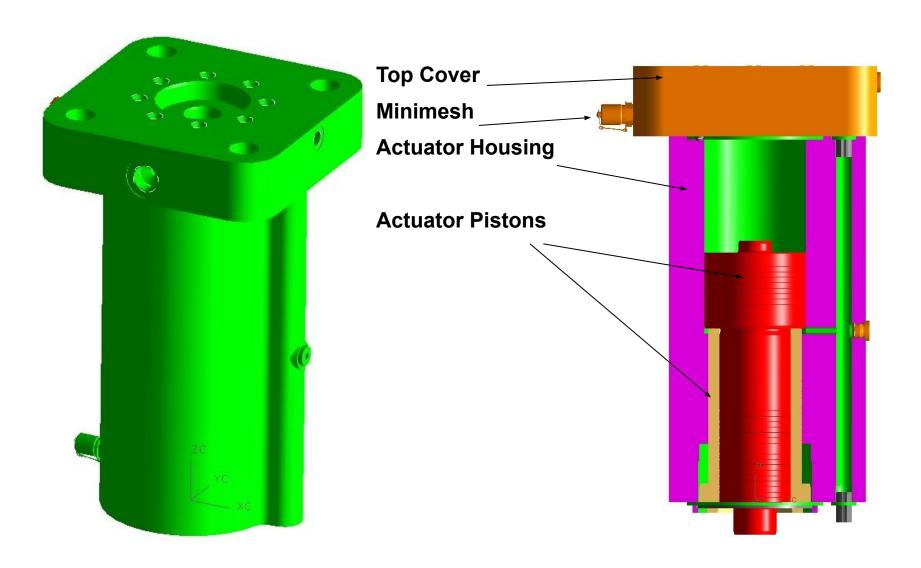
Exhaust Valve Pipe Connections







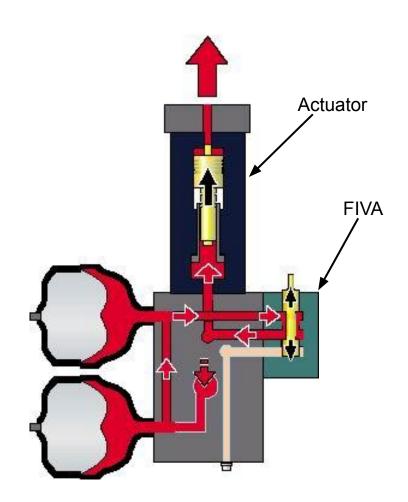
Exhaust Valve Actuator



Exhaust Valve Actuator Working Principle



Unpressurised hydraulic oilPressurised hydraulic oil

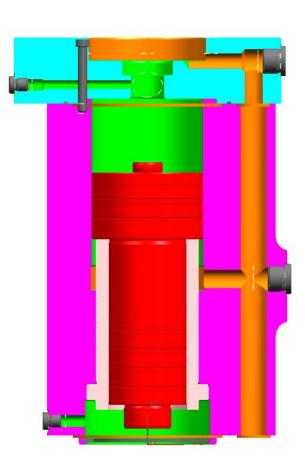


Exhaust Valve Actuation

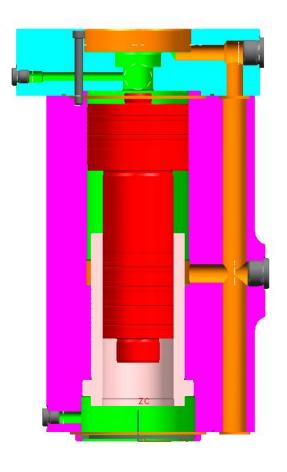


Initial Position

Step 1

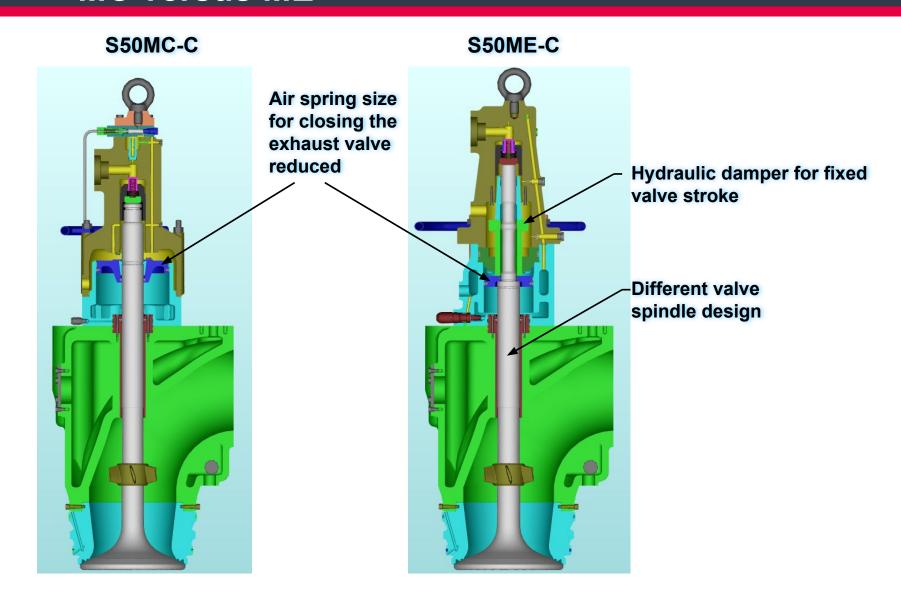


Step 2



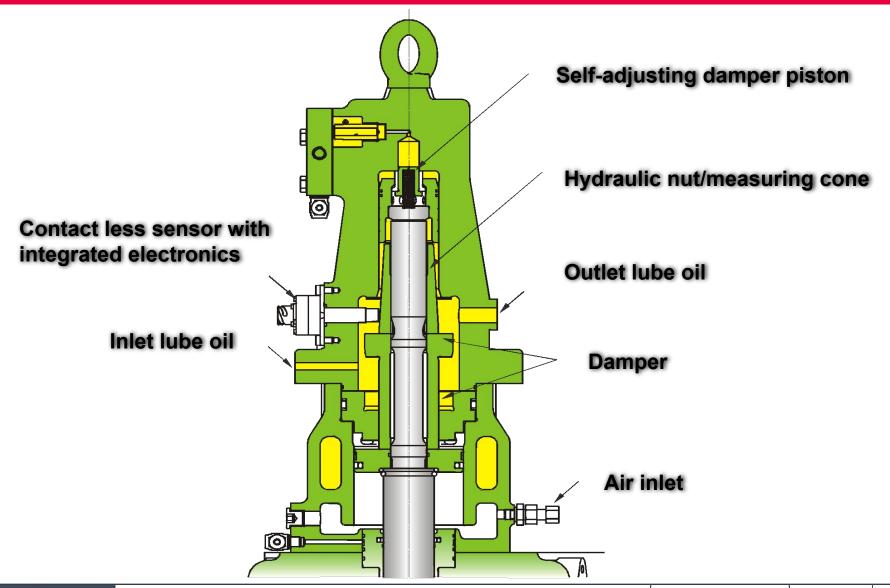
Design Features MC versus ME





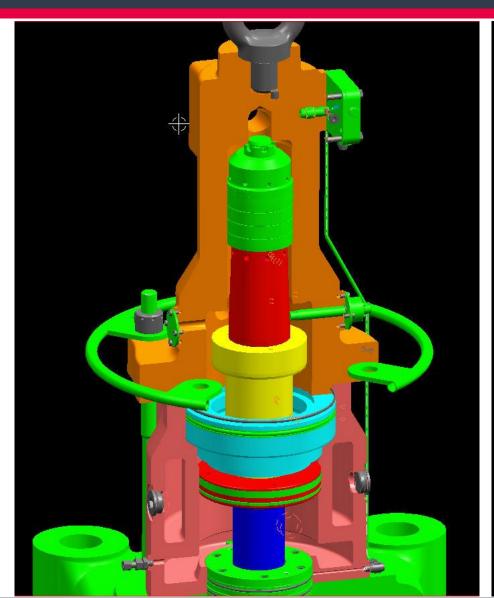
Design Details

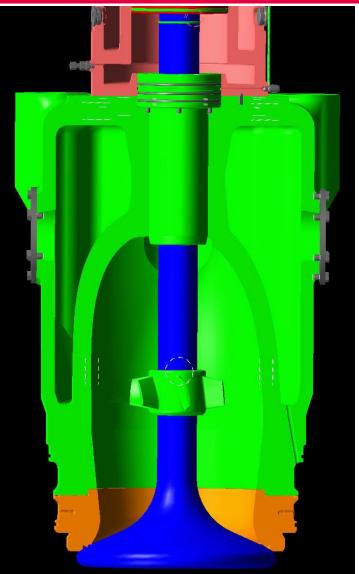




Exhaust Valve Assembly



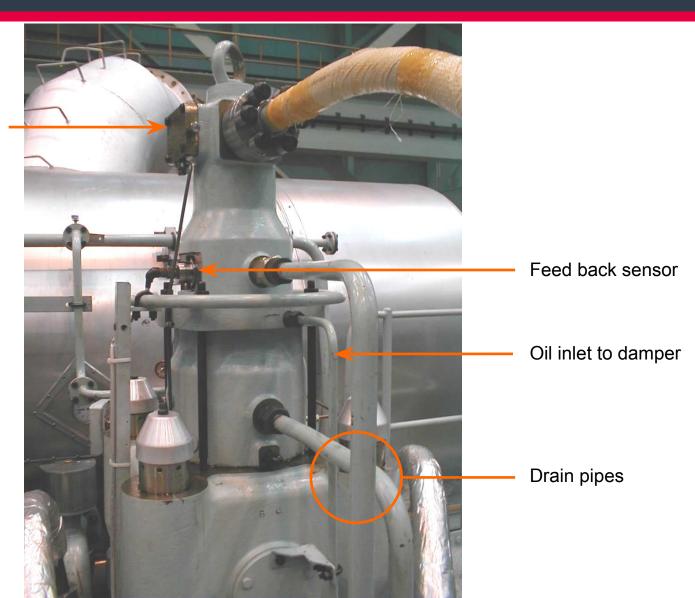




MAN

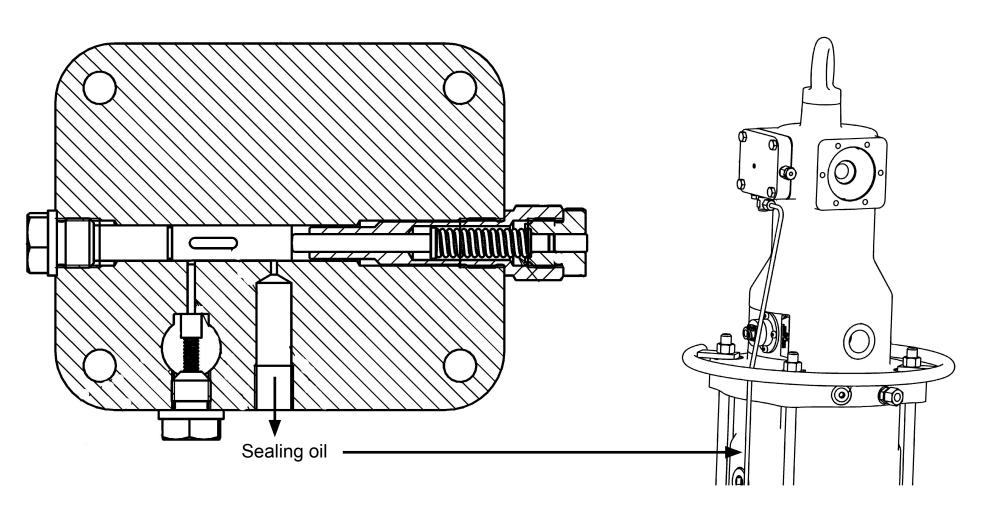
Exhaust Valve

Sealing Oil Control Unit



Sealing Oil Control Unit





MAN

MOP Exhaust Valve Adjustments



Special running conditions, open exh-valve Small Bore Program (50 ME)



Check pressure free at "minimess" point 455

Close

Open

Special running conditions, open exh-valve Small Bore Program (50 ME)

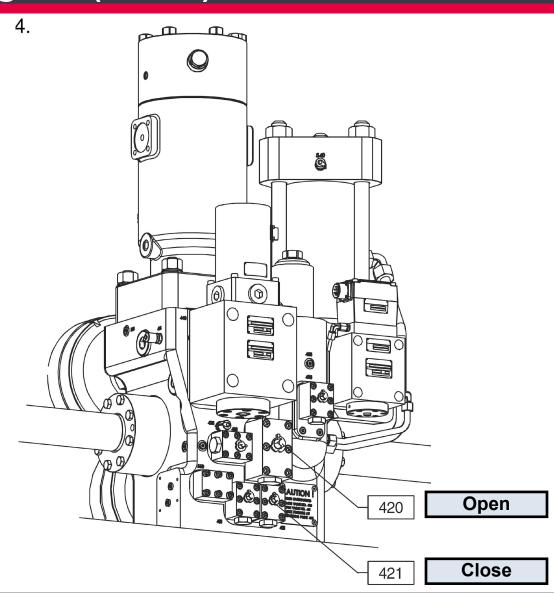


540

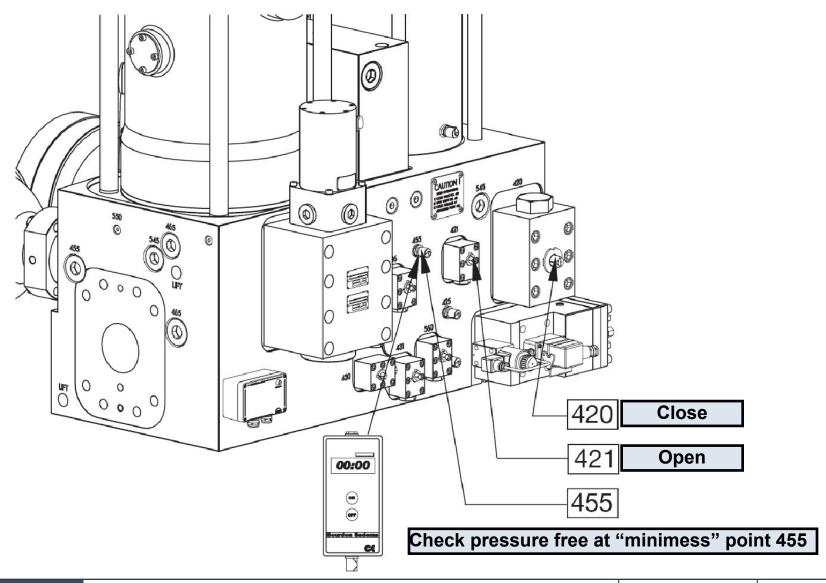
Connect the mini-mesh hose between top flange on actuator point 540 and point 425 at the hydraulic block

Special running conditions, open exh-valve Small Bore Program (50 ME)



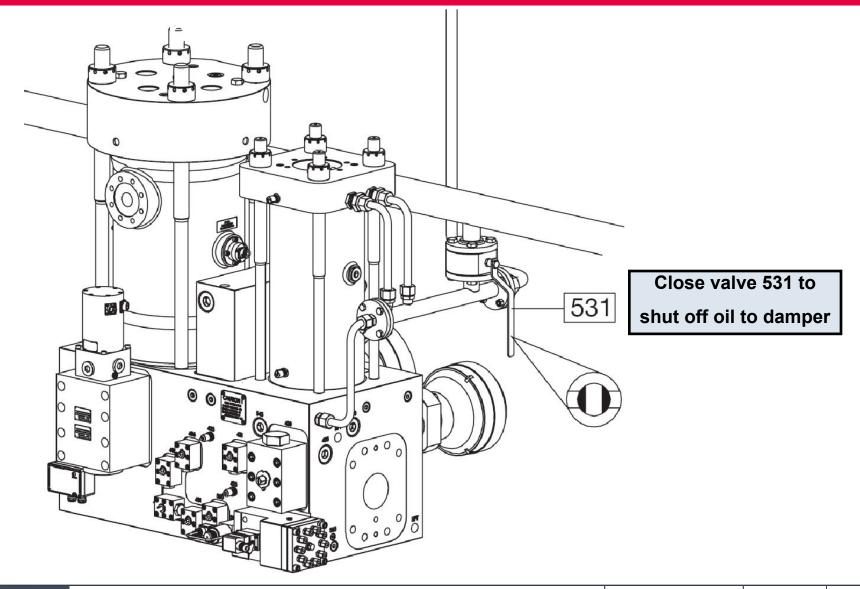




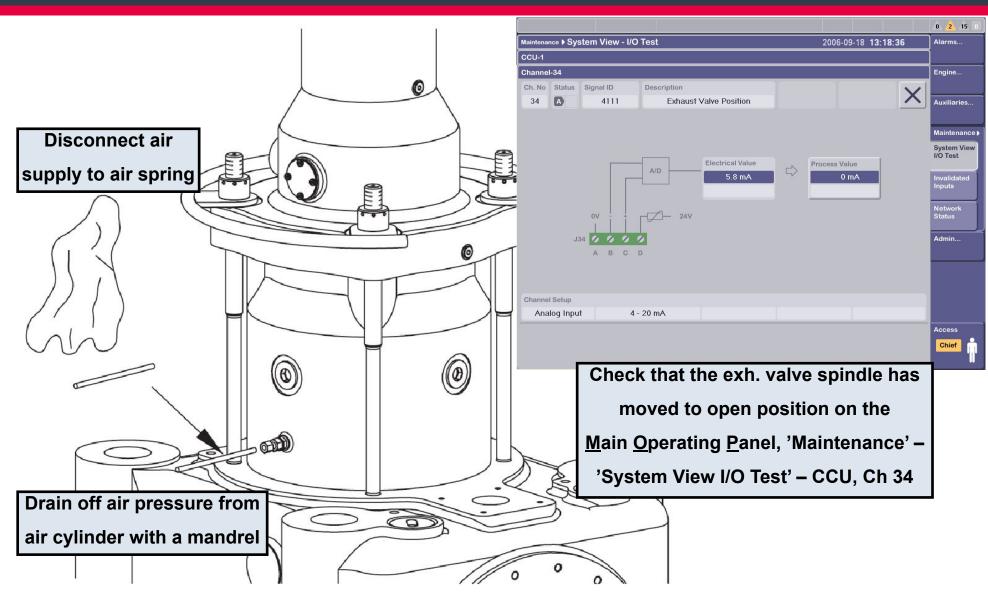


© MAN Diesel

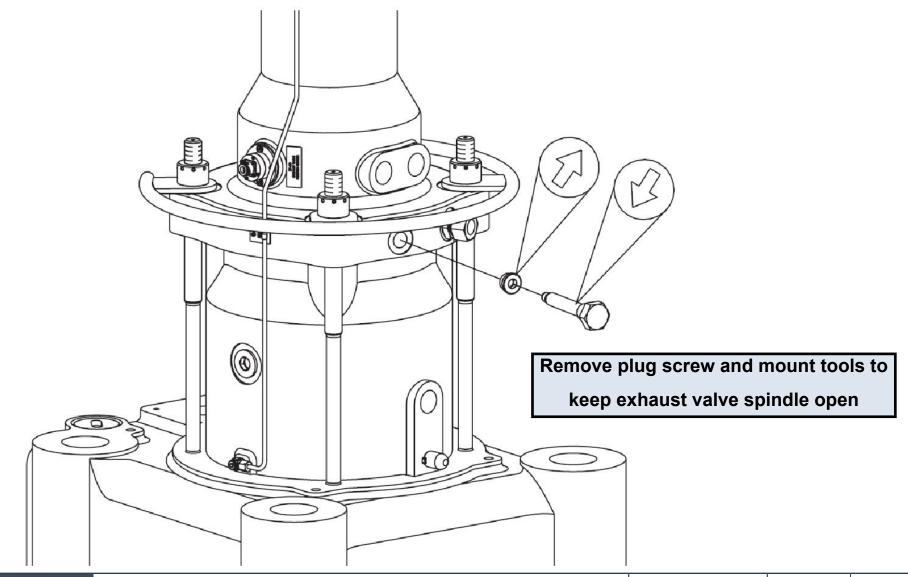




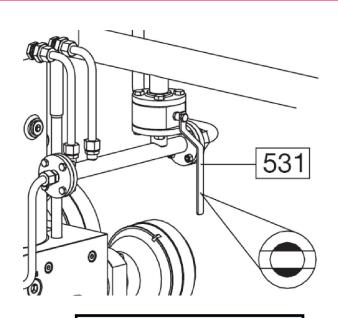












Open damper oil supply
Valve 531

