



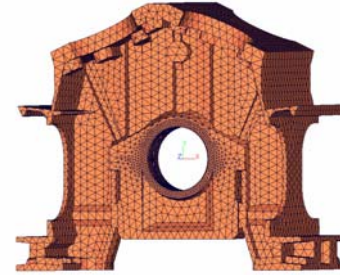
MAN B&W Diesel

Hercules Task 9.2 : Tribo Optimization Highlights

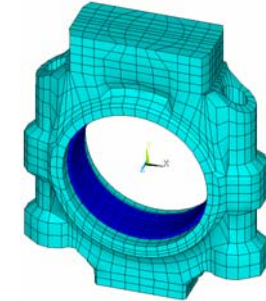


Objective:

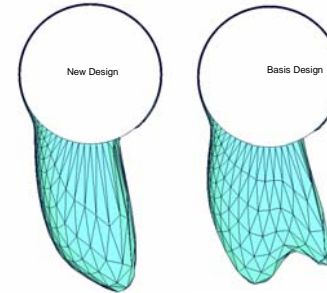
- Identify components for tribo-optimization
- Develop calculation code for tribological behaviour
- Develop engine components with reduced friction losses
- Demonstration (engine / test rig)
- On line cylinder condition control



Nodes: 12.600, Elements: 50.000



Optimised Crank bearing

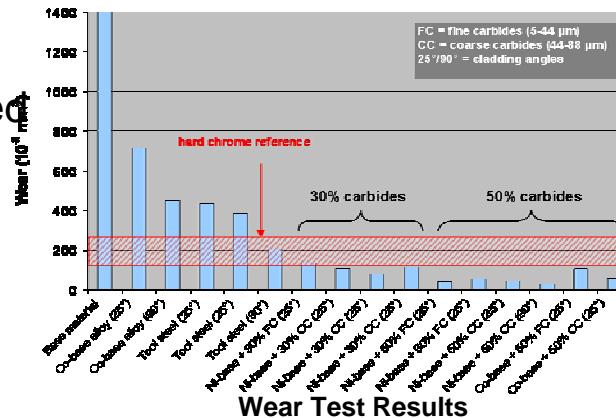


Optimised Main bearing

Highlights:

- Main bearing optimized
- Crankshaft bearing optimized
- Verification tests initiated
- Piston Test Rig completed
- Wear testing of coatings ongoing
- Online control system measurements started

Partners:



Friction Test Rig