

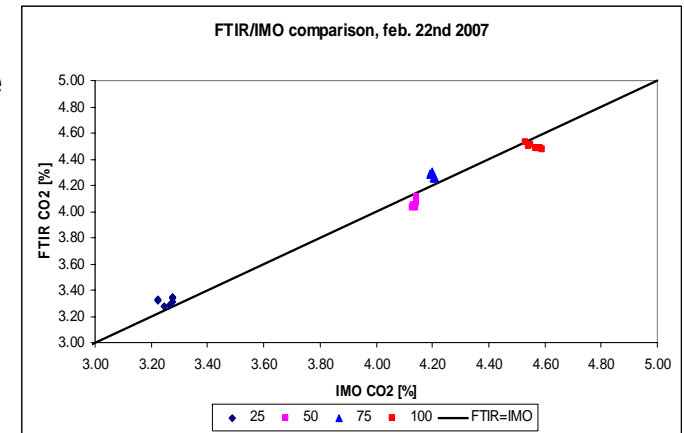
TASK 8.2: New measurement methods

Objectives

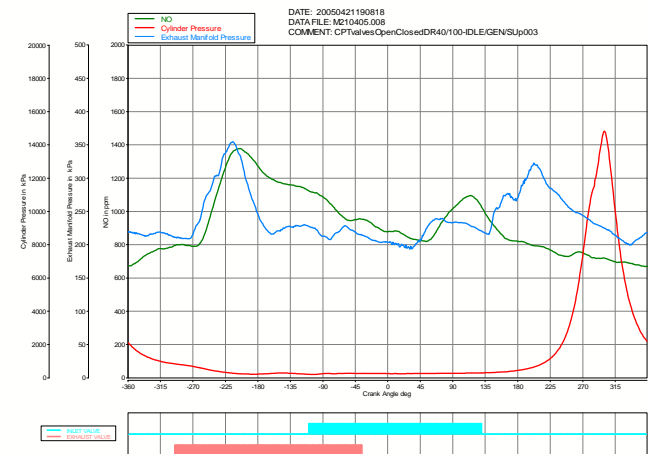
- Extension of emissions measuring technologies for individual cylinder measurements of a multi-cylinder marine diesel engine
- Development of practical and reliable methods for emission monitoring

Final Results & Achievements:

- Identification of emission measurement equipment for on-board use complying with IMO Annex VI requirements complete
- Prototyping, construction and setup procedure for on-board measurement equipment complete
- On-board NOx sensor tested on ship engine
- A special sample transfer tube was designed for individual cylinder NO measurement, tests performed
- A special test bench was constructed for evaluation of characteristic parameters of equipment



Comparison between IMO-approved equipment and FTIR multi-component analyser



Individual cylinder NO measurement with new designed sample transfer tube

