

HERCULES Task 8.1: After-treatment Methods

- Development of practical and reliable methods for emissions monitoring in service.
 - On-board measuring equipment was tested at WCH in the last year. The instrument will be installed on board a vessel during summer 2006.
- Extension of emissions measuring technologies for single-cylinder measurements.
 - Work on sampling system ongoing, which showed to be the most critical part of the setup due to temperature, pressure and gas velocity conditions at the exit of the cylinder.
- PACR (plasma activated catalytic reduction, which was formerly known as NTP) and WS (wet scrubbing) technologies, including lab tests under real engine exhaust conditions.
 - Further tests with the existing wet scrubbing system were performed; a new device was added to the setup.
 - Lab testing on synthetic exhaust gas with the PACR is ongoing.