

CYLINDER HEAD OVERHAUL

STEP 1 - Situation

Cylinder Head Overhaul, performed at STEP workshop.

STEP 2 - Challenge

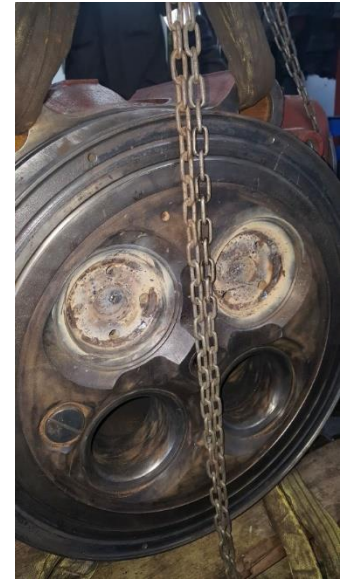
Transport of the cylinder head from vessel to Step workshop and carried out the overhaul, including dimensional control and pressure test, within schedule.

STEP 3 - Action

- 1 Head block disassembled and opened for inspection and cleaning.
- 2 Valves and springs disassembled from block. The seats were removed from block.
- 3 Cleaning (decarbonization) of the elements. Machining of the old valves (2 exhaust and 2 inlet).
- 4 Calibration of the valves guides and spindles.
- 5 Visual inspection of seats and rocker arms. Bushing surface cleaned and “polished”, where necessary.
- 6 Dimensional control of the seats, valves, valve guides and rocker arms.
- 7 Replacement of 2 exhaust valve seat.



- 8 Seats assembling.
- 9 Pressure test (hydraulic test) performed at 5,5 bar.
- 10 Final assembling of the cylinder head set.
- 11 Transport of the cylinder head to the vessel.



STEP 4 - Results

All jobs have been executed as required and cylinder head available vessel onboard.