

CASE: OH-CLO

January 2, 2012: Over the next weeks we will be performing a complete overhaul of a Lycoming O-320-D2J engine from a Finnish Cessna 172, reg. OH-CLO.

After the overhaul, the engine will have “zero hours since overhaul”.

Follow the step-by-step process below. New pictures will be uploaded regularly.

<http://www.airservice.dk/default.asp?id=91845>

The overhaul is being performed at our facilities at Vamdrup



Step A: Engine arrives via truck from Finland, and is being prepared for dismantling in the piston engine shop



Step B: Dismantling of engine in progress. It's important to inspect the vital components very quickly to assure they can be reconditioned within manufacturers specifications.



Step C: While the crankcase had to be reworked in the States, the appropriate internal steel parts undergoes a Magnaflux-Inspection (NDT). This is performed in our own Magnaflux Test Bench.



Step D: While waiting for the re-worked crankshaft, all the remaining components and parts are ready for installation.



Step E: After a delayed re-work, the crankshaft finally arrived, and the re-assembly of the engine is back on track!



Step F: Engine being re-assembled with new factory-parts, and then primed before final painting.



Step G: Engine ready for final assembly, after completion of painting.



Step H: The engine is now assembled, and waiting to be installed in the test vehicle for first runup.



Step I: Engine placed in the test stand, and final check performed before the testrun. During test run, all necessary run-in data is captured and listed.



Step J: Engine overhaul completed, and engine is ready for shipment back to Finland.