

## Program participants for 14 days land machine mechanics

1. 2 days engine knowledge:  
Measuring engines (pistons, liners, crankshaft compression pressure test)  
Adjustment of engines (valves, injection pumps, injection nozzles)  
Dismantling and assembling engines.
2. 2 days hydraulics:  
construction and fault diagnosis of purely hydraulic circuits  
Setup and fault diagnosis of electro-hydraulic circuits
3. 2 days electropneumatic:  
Set-up and troubleshooting of various circuits according to circuit diagram.
4. 2 days vehicle electrics:  
Troubleshooting of the starting system, lighting system, generator, sensors and actuators on an engine.
5. 2 days of excursions:  
Grimme or Krone or Claas  
Miniatur Wunderland Hamburg