## Test and calibrate diesel engine governors on locomotives APPLICATION C181 Type of Company: Technical Maintenance & Sales

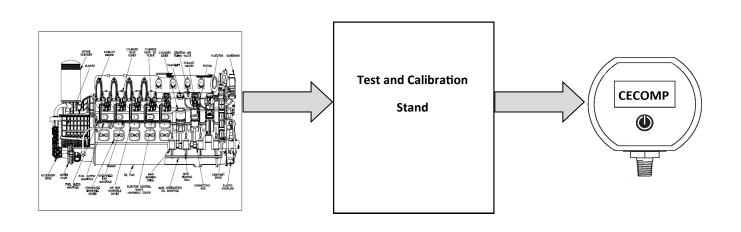
of Company: Technical Maintenance & Sales Location: Illinois

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The important components of diesel-electric propulsion are the diesel engine, the main generator/alternator-rectifier, traction motors, and a control system. The control system consists of the engine governor and electrical and/or electronic components, including switchgear, rectifiers and other components, which control or modify the electrical supply to the traction motors. The governor ensures that the engine speed stays high enough to idle at the proper RPM but that it will not rise too high when full power is demanded. During overhaul, the governor must be refurbished/remanufactured and then tested and calibrated using a test and calibration stand.



• The engineer requires an accurate visual indication of the pressures on the test stand when calibrating the governor.





The engineer used a Ultra-Ruggedized Cecomp F16B gauge. This gives the technician an accurate visual readout of the test stand pressure.

## Problem. Solved.