PROJECT OVERVIEW #116

CenterPoint Energy

LOCATION:
Dunn Compressor Station

APPLICATION:
Main line natural gas compression

ENGINE/COMPRESSOR:
Cooper Bessemer
12V-250 Gas Engines (3)
Cooper GMW (1)

DISTRIBUTOR/REP:
ISC
Jonathan Abaee

ALTRONIC PRODUCTS:
(3) GOV-50 Governors
(1) GOV-10 Governor

OVERVIEW:
According to Wendell Moore of CenterPoint Energy, "Installation of the GOV's was fairly simple. Holes in the flywheel from the previous installation of an Altronic CPU II Ignition System saved much work. The holes are used for the mag pickup that senses engine rpm. Installing the governor in the fuel gas line required some welding and fabrication. The display module was installed in the side of the existing control panel and an analog signal from the panel was connected to the governor to adjust the speed setpoint. An analog signal was also used to sense engine speed.

The first GOV-50 was installed by ISC (Ignition Systems & Controls) using a generic setup sheet from another engine. A few changes in the program had to be made to match the needs of our unit. After the first governor was installed, our team installed the other two GOV-50's and the GOV-10. We copied the program from the first unit and used it for the others. The only obstacle encountered was with one of the analog out circuits that allows us to read engine speed. It was resolved by simply removing the cover and cutting a jumper wire.

While fuel savings with the governor cannot be confirmed, the unit starts and operates much better than before. The biggest improvement is evident on shutdown. The unit used to alarm on overspeed as it would unload. The GOV-50 has eliminated overspeed shutdown. It provides good control of unit speed even at minimum load.

The GOV-50 works well on all of our engines. If we were to install another unit, we would definately use an Altronic GOV-50."

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