

Big Engine
Operators don't
aspire to be
comfortable with
just average
service to their
engines.



Reciprocating Technology Services designs training programs that are dedicated to producing excellence.

SITUATION

A public agency in California provides wastewater collection, treatment, and disposal services for approximately 2.6 million. In their fleet of assets are several Cooper Bessemer integral engines and compressors.

Operators and maintenance people knowledgeable with this type of equipment are becoming more and more rare. And, equally rare is the capital to invest in new machines to replace these stalwarts of industry and infrastructure.

Big engines like the GE-Cooper Bessemer pictured above have been key to our infrastructure for many, many years. The technicians for these machines need to be a problem solvers, prepared and trained to demonstrate troubleshooting skills while safely operating and maintaining mechanical drive engines, controls, generators and ancillary equipment.

Proper training is the simple, cost efficient solution. For the more experienced hands, training is often understanding safer methods and new technologies. For the less experienced Mechanics, Operators, Electrical and Controls Equipment Specialists, training best practices and techniques is a requirement for those responsible for the daily operation and care of reciprocating equipment.

WORK SCOPE

RTS provided a training program for the organization's personnel that was specifically designed for the equipment. The goal for the training program is to provide comprehensive understanding of the proper operation, maintenance and troubleshooting skills necessary to safely operate and maintain LSVB Mechanical Drive engines, controls, generators and ancillary equipment.

The course's content included:

- Engine Details
- Four Cycle Combustion Theory
- Support Systems & Components
- Operation & Maintenance Description
- Control Systems
- Generator Systems

The course was held over four days, 8 hours per day. Each student received a framed certificate of accomplishment.

CLIENT REACTIONS

"The training that RTS provided was a huge success. I can tell my guys got a lot out of it, they are pumped and already performing better. Our maintenance costs will surely go down because they are far more efficient."

