

PROGRAM PURPOSE and OBJECTIVES

NOTES

AIR QUALITY:

According to the Environmental Protection Agency (EPA), more than 50% of Americans are breathing unhealthy air, yet after more than 20 years of air quality standards, excessive pollution still exists in many areas of the country.

In 1998 California Air Resources Board (CARB) proposed new emission standards for industrial engines commencing with model year 2001. The EPA has also indicated that it will introduce new standards for the whole nation beginning model year 2004.

Zenith Fuel Systems LLC has been manufacturing high quality gasoline and LPG fuel systems for industrial, military, agricultural and aircraft engines since 1911. It is with this rich history that in 1993 Zenith foresaw that the need would arise for a more accurate and better performing fuel system and commenced the development of a fuel injection and engine governing system specifically for industrial engines.

PERFORMANCE:

Currently, the proposed emission regulations, commencing in 2004, not only call for low exhaust emission levels but also require that these levels be maintained for 5000 engine operating hours.

Zenith Electronic Engine Management Systems (ZEEMS) has been designed to leap frog the poor performing electronic band aids used on carburetors by the automotive industry in the early days of automotive emission regulations and provide a system that will meet the future requirements of its customers today.