



Low Temperature Oxidation Specialists

Low Temperature Oxidation Catalyst for a Fuel Injection System

Poster # P7

Joseph Holroyd

Director, Technical Sales/Marketing



Low Temperature Oxidation Catalyst High Exotherm - Fuel Injection System Diesel Particulate Filter System



ServoTech Engineering

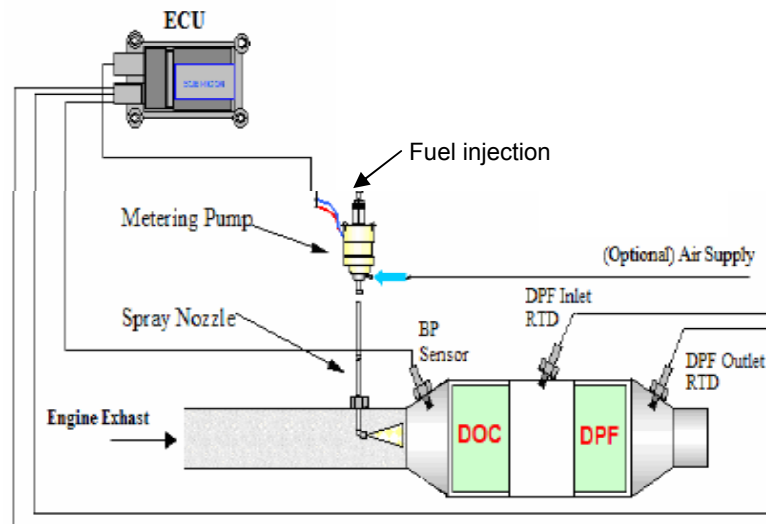
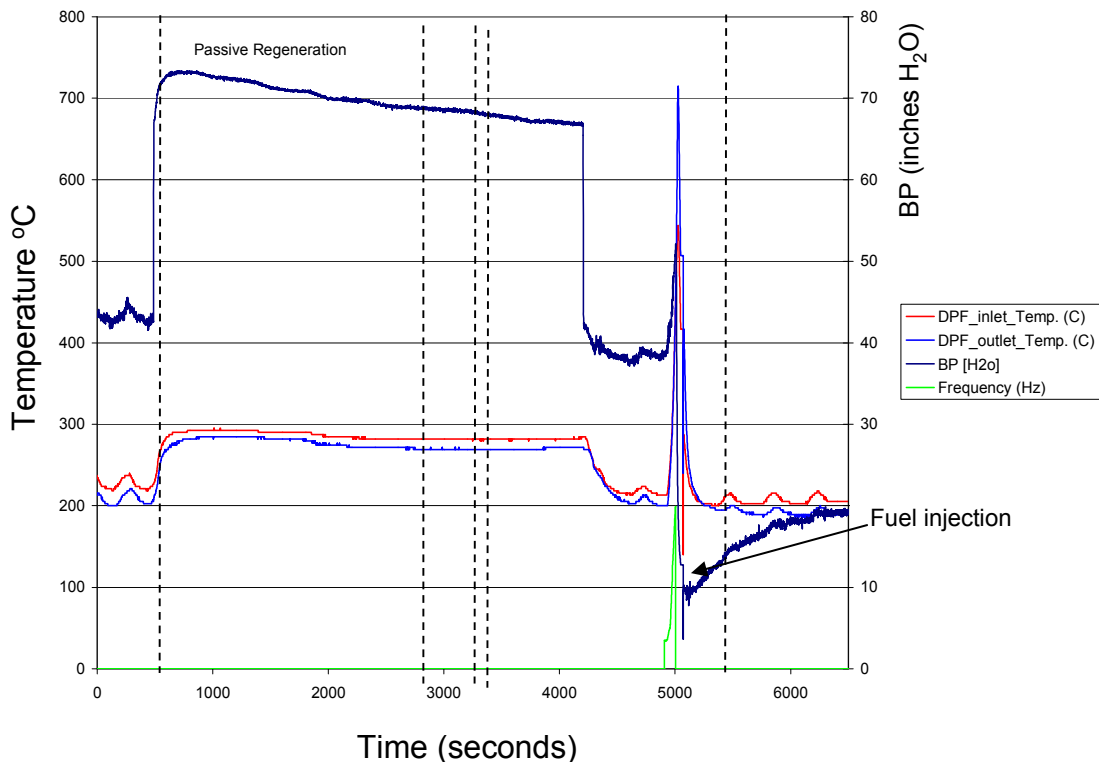
The injection of a small amount of fuel in front of an AirFlow diesel oxidation catalyst (DOC) combined with a catalyzed diesel particulate filter (CDPF) provides the combustion necessary to remove soot (carbon) buildup in the diesel exhaust system.

System Features:

1. Low PGM loading - lower cost DOC
2. Low fuel penalty
3. No external heating element required
4. High Exotherm - low temperature oxidation
5. Minimal fuel injection - proprietary dosing system
6. Simple system - low maintenance

Engine Parameters:

- 2.2 Liter Yanmar
- Loading: 1400 rpm to 2200 rpm
- Normal aspiration - no turbo charge



AirFlow Catalyst System Ceramic DOC & DPF
 DOC: 5.66 x 6 T-50: CO = 87°C
 PGM = 40g Pt/cu.ft. HC = 148°C
 DPF: 5.66 x 6
 PGM = 10g Pt/cu.ft.