



Retrofit Project

Local residents had sued the Ports to reduce the diesel emissions coming from their facilities because of the adverse affects on their communities. The Ports Authorities chose Donaldson emissions product to retrofit existing diesel-powered equipment.

The goal of the retrofit program was to maximize emission reductions of PM and NO_x.

Primary Equipment Types

Yard Hustlers

Top Picks / Side Picks

Rubber-tired

Gantry Cranes

Total Pieces of Equipment

400

Overall Emissions Reduction

25-50% particulate matter reduction

Solution

CARB Level 1 Diesel Oxidation Catalyst Mufflers and a Crankcase Filtration System

Donaldson's approach eliminated the need for the Port to convert to emulsified fuel.

Emulsified fuels cannot be used in many container handling cranes and lifts and can cause loss of power.

This solution DOES NOT require ultra low sulfur diesel fuel or high engine temperatures to operate effectively. Our solution eliminates other troublesome aspects of an open crankcase such as diesel odor and oil drain.



Installations Preformed By: Union Personnel at Port