

lev-co

case study

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VE SINGLE EXTRACTOR WITH BALANCER HARPER DETROIT DIESEL

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APPLICATION:

Harper Detroit Diesel-Allison is the authorized distributor in Ontario for Detroit & Mercedes-Benz Diesel trucks. They have a service department in London where they had an old VE system with seventeen metallic drops and improper tailpipes. They needed to put a new system in with the following characteristics:

- Ability to remove / extract all the diesel fumes in the garage.
- Excellent range of motion (coverage).
- Proper tailpipe in order to handle every kind of diesel stacks.
- Ability of keep the drops lifted.

SOLUTION:

Source Capture: - The exhaust smoke is captured at source by using new RCA (with 90 degree elbow) nozzle adapters mounted directly on the vehicle's exhaust pipe.

Convey/Transport of dust: - Once captured the dust is transported at the velocity of 3000 FPM in flexible duct mounted with balancers and connected to rigid ductwork and the rigid ductwork is centralized in a main duct.

Exhaust: - The main duct is coupled to the existing fan which blows the exhaust gases out from the building.

PRODUCT DESCRIPTION:

Seventeen (17) 5"Ø VE single exhaust extractor 6 m (20 ft.) 600° F silicon fiber glass hose c/w balancer.
Seventeen (17) 6"Ø Diesel Stack Adapter (with 90 degree elbow) - 10"Ø opening for exhaust pipe with pole.

INDUSTRY:

Harper Detroit Diesel-Allison Garage (Indoor parking) in London.

TESTIMONIAL:

"The previous VE system was old. It did not provide a good coverage in our garage. And the drops were too hard and rigid. The old tailpipes did not insert over the vertical stacks easily.

Then Lev-co came in and provided us with a solution that met all of our needs.

These VE single drops with the special nozzles (RCA) are just fabulous!"



RCA WITH 90° ELBOW