

Which Vehicles to Data Log

The vehicles within a fleet being considered for retrofit must be divided into subgroups of similar vehicle/engines. Each subgroup must have the following in common:

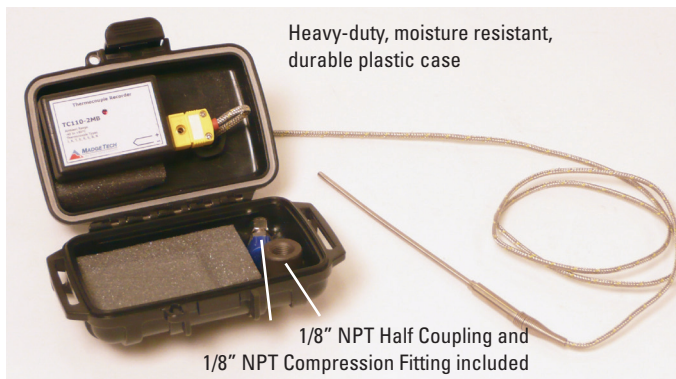
- Vehicles must have the same application and duty cycle; e.g., bus, trucks, refuse trucks, dump trucks
- Engines must be the same make and model, and have the same:
 - engine family
 - particulate matter (PM) standard
 - rated horsepower within ± 50 horsepower
 - description for engine NO_x control system (one of the following)
 - a. None of the engines have any type of Exhaust Gas Recirculation (EGR)
 - b. All engines have external EGR
 - c. All engines have internal EGR

Data Logging Guidelines

- At least 5 vehicles/engines or 10% within each subgroup must be data-logged, whichever is larger. All vehicles/engines within a subgroup of five or fewer must be data-logged.
- The exhaust gas temperature data recorded must be for a duration of at least 24 operating hours.
- The vehicles chosen to represent a subgroup for data logging should be those considered to have the coldest operating duty-cycle with regard to exhaust temperature.
- 100% of on-road diesel engines with certified NO_x levels of 3.0 grams per brake horsepower per hour (g/bhp-hr) or less must be data logged for consideration of applying a Donaldson filter-based retrofit emission control device (e.g. LXF).



Donaldson Data Logger



Item Number: X010839

Other Items Needed for Data Logging
Software and PC interface cable. Must be ordered separately (Item X007948).

- New and upgraded
- Flexible sample interval allows for 1 second to 12 hour data collection rate
- 500,000+ data point memory
- Holds up to 30 days of data (at a 5 second interval)
- Meets new California data logging requirements



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