

# Discolored Coolant Surge Tanks

## COMMUNICATION:

FIELD SOLUTION: 24CSA-20

PUBLISH DATE: Q4 2024

## TOPIC BACKGROUND:

### PRIMARY EFFECT:

- Some units may experience a discolored coolant surge tank complaint. Often the assumption is oil or combustion gas in the coolant, based on the visible condition of the surge tank.

### AFFECTED MODELS:

- All Detroit Heavy Duty Engine Product year 2015 to present date

## VISUALIZATION:



## PROGRESS UPDATES:

- Engineering and Product Strategy have discussed design changes such as switching to an opaque surge tank material and/or adding filtration back into the cooling system.
- Additional alignment is needed. Team is working with upstream teams for support and wanted to create awareness for CXAs that topic is still a work in progress.

## TOPIC RESOLUTION INFORMATION:

### PRODUCTION CHANGEOVER WEEK/MONTH:

- N/A

### RESOLUTION:

- Fix as Fail. If the coolant level can be read/visible, coolant surge tank replacement is not necessary.
- Surge tank sediment and staining not necessarily an indicator of an engine issue.
- Elimination of coolant filter was at the request of major customers, to reduce maintenance cost.