

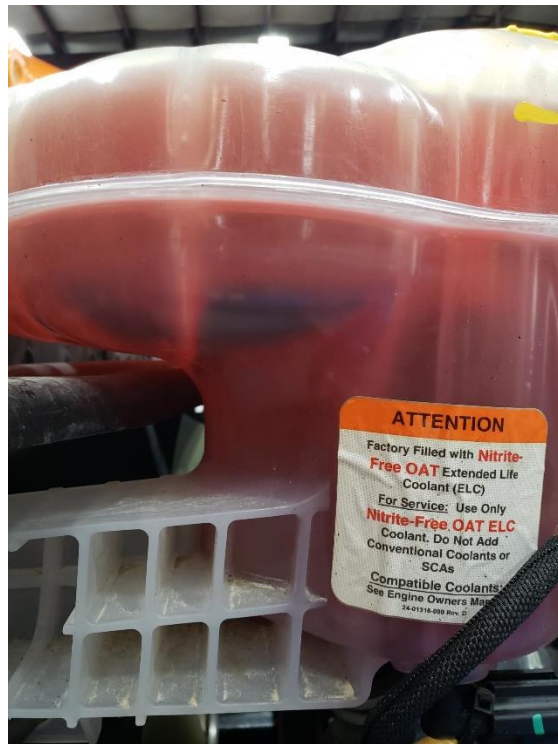


No.: 24CSA-20
October 2024

TO: Service Locations
FROM: Powertrain Service Engineering
SUBJECT: **Discolored Coolant Surge Tank on Heavy Duty Engine Product (HDEP)**

ISSUE

Some units may experience an issue with a complaint of a discolored coolant surge tank. Units may also come in with a complaint of oil or combustion gas in the coolant, based on the visible condition of the surge tank.



Examples of discolored surge tanks



DAIMLER TRUCK NORTH AMERICA AFTERMARKET



Examples of discolored surge tanks

CAUSE

The coolant filter was removed from the oil coolant module in early 2015 (review 15TS-10Rev). With the removal of this filter, any cooling system dropout may accumulate in the coolant surge tank. The low speed of coolant flow through the surge tank allows sediment to build up in various areas of the tank and can lead to a film on the inside of the tank walls. This dropout can range from a very small amount of sediment/debris, up to the inability to see the coolant level through the outside of the surge tank.

REQUIRED ACTION

If the coolant level can be read/is visible, coolant surge tank replacement is not necessary. If the customer is still concerned about the condition of the coolant surge tank, a coolant sample should be sent out locally for analysis.

REPAIR PROCEDURE

If other operating complaints or cross contamination of the coolant with another fluid are not present, repairs and part replacement is not needed. Follow the appropriate troubleshooting procedures if cross-contamination is found in the coolant.



CLAIM PROCESS

Absent any other powertrain failures, leading to cross-contamination of the coolant system, the surge tank does not have eligibility under the powertrain component warranty.

CONTACT INFORMATION

Please contact the Detroit Diesel Customer Support Center at 800-445-1980 or email csc@daimlertruck.com if you have any questions.