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Service Information Bulletin

SUBJECT	DATE
Contaminated Fluids	March 2017

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	GHG14 DD Heavy Duty	Fuel in Diesel Exhaust Fluid	New section for GHG14 HD, GHG17 HD, and GHG17 DD5 and DD8.
DDC-SVC-MAN-0191	GHG17 DD Heavy Duty		
DDC-SVC-MAN-0193	GHG17 Medium Duty		



13400 Outer Drive, West, Detroit, Michigan 48239-4001
 Telephone: 313-592-5000
www.demanddetroit.com

2 Fuel in Diesel Exhaust Fluid

If diesel fuel is suspected in the DEF system, there are three different methods to verify the issue.

1. A visual inspection of a DEF sample can be used to identify contamination. Diesel fuel will separate and float on top of the DEF. Caution must be used when taking the sample; if the truck has been stationary for some time and the sample is pulled from the bottom of the DEF tank it may not indicate contamination because the fuel floats on the surface.
2. Smell can also be used to detect contamination. The DEF should have a slight ammonia smell. If a sweet smell is noticed, check for coolant contamination. Diesel fuel in the DEF tank should be easily detected by smell.
3. DEF test strip P/N: A0005850202 can be used to check for diesel fuel or oil contamination of the DEF fluid. The DEF test strip will change to a darker color if the DEF is contaminated.

Table 1.

Parts to be Replaced for Diesel Fuel in the DEF System	
Part Description	Comment
DEF Tank	Chassis OEM Part
DEF Tank Header	Chassis OEM Part
DEF Supply Line From DEF Tank To DEF Pump	Chassis OEM Part
DEF Line From DEF Pump To DEF Dosing Unit	Chassis OEM Part
DEF Return Line From DEF Dosing Unit To Tank	Chassis OEM Part
DEF Pump	Detroit Diesel Part
DEF Dosing Unit	Detroit Diesel Part

Table 2.

Notice: If diesel fuel has been added to the DEF tank and the system has not been turned on, the contamination is isolated to the DEF tank. If so, the following components need replacing.

Table 3.

Part Description	Comment
DEF Tank	Chassis OEM Part
DEF Tank Header	Chassis OEM Part