

# HPFP Issues

## COMMUNICATION:

**FIELD SOLUTION:** Follow Metal In Fuel Diagnostics

**PUBLISH DATE:** June 2026

## TOPIC BACKGROUND:

### PRIMARY EFFECT:

- Starting in March of this year, we noted an increase in high pressure fuel pump issues. Specifically in the southern region of the United States.
- Customers will typically experience low rail pressure faults, a chirping noise from the pump, and possibly difficulty starting. The issue does result in metal in the fuel.
- The issues span a large range of model years and mileage ranges. Issues are primarily increasing at dealers in Texas, Arkansas, and Tennessee. This leads us to believe the issues are due to a fuel quality issue in that region.
- Both Gen 5 high pressure fuel pumps and filter modules are on backorder. Parts demand has quadrupled over the average demand. Suppliers and reman are both working to expedite more parts as quickly as possible.

### AFFECTED MODELS:

- All HDEP engine models and model years appear to be affected.

## VISUALIZATION:



Examples of failed rollers and cam internal to the HPFP. These are typical issues we see due to fuel deposits causing the rollers to skid on the cam.

## PROGRESS UPDATES:

- July: Three failed pumps were analyzed by our Chem lab in Detroit. All had indications of poor-quality biodiesel.

## TOPIC RESOLUTION

### PRODUCTION CHANGEOVER WEEK/MONTH:

- The failures will subside once the poor-quality biodiesel stock is used up by the supplier.

### RESOLUTION:

- We recommend that you urge your customers to contact their fuel vendors and report the issue. Pressure from direct customers has proven much more effective in the past vs pressure from the manufacture (Detroit).
- Please reference the Fuels Brochure for Detroit Diesel specific fuel quality standards. This can be found by going to DTNA Connect > Service > Lubricants, Fuels & Coolants. Then select "Fuel" and open the DDC-SVC-BRO-0120 Brochure.