

HPFP Issues – June 2026

COMMUNICATION:

FIELD SOLUTION: Follow Metal In Fuel Diagnostics

PUBLISH DATE: June 2026

TOPIC BACKGROUND:

PRIMARY EFFECT:

- Starting in March of this year, we have 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.

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:

- June: Six failed pumps from southern dealers were returned to Detroit for analysis. Deposits were found inside the fuel pumps. Analysis on these deposits by our chem lab is currently underway.

TOPIC RESOLUTION

PRODUCTION CHANGEOVER WEEK/MONTH:

- The failures will subside once the fuel quality concern is resolved from 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).