



U.S. Department of Transportation  
**National Highway Traffic Safety Administration**

# ODI RESUME

**Investigation:** PE24014  
**Prompted By:** VOQ Review  
**Date Opened:** 05/09/2024  
**Investigator:** Jacob Ebert                      **Reviewer:** Joshua Neff  
**Approver:** Tanya Topka  
**Subject:** Sogefi Secondary Diesel Fuel Filter Leak

## MANUFACTURER & PRODUCT INFORMATION

**Manufacturer:** Ford Motor Company  
**Affected Manufacturers:** Alleward Sogefi USA  
**Products:** 2015-2021 F-250/350/450/550 SD  
**Population:** 210,960 (Estimated)

**Problem Description:** Engine compartment diesel fuel leaks that may result in fires

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	EWR D&I	Other	Total	EWR Field Reports
<b>All Incidents:</b>	27	0	0	0	27	0
<b>Crashes/Fires:</b>	12	0	0	0	12	0
<b>Injury Incidents:</b>	3	0	0	0	0	0
<b>Number of Injuries:</b>	4	0	0	0	0	0
<b>Fatality Incidents:</b>	0	0	0	0	0	0
<b>Number of Fatalities:</b>	0	0	0	0	0	0

## ACTION/SUMMARY INFORMATION

**Action:** Open Preliminary Evaluation

**Summary:**

The Office of Defect Investigations (ODI) has received 27 complaints alleging diesel fuel leaks due to a fracture in the secondary fuel filter housing in model year (MY) 2015-2021 Ford Motor Company (Ford) F-250, 350, 450, and 550 Super Duty vehicles equipped with 6.7L diesel engines. Of these complaints, 12 describe an engine compartment fire. The proximity of the secondary fuel filter to high heat sources creates a potential for autoignition thermal events and fires.

ODI has contacted the vehicle manufacturer, Ford, and the filter manufacturer, Allevard Sogefi USA (Sogefi), and learned that the low-pressure fuel system is capable of a maximum operating pressure of 8.5 Bar, while the secondary fuel filter is only tested to seven (7) Bar during the manufacturing process. Additionally, changes starting in 2022 by both Ford and Sogefi align with a lack of similar complaints on MY 2022 and newer vehicles.

ODI is opening this Preliminary Evaluation (PE) to evaluate the severity of the potential problem and to fully assess the potential safety-related problems. To review the ODI reports cited in the Opening Resume ODI Report Identification Number document, go to [NHTSA.gov](https://www.nhtsa.gov).



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## OPENING RESUME ODI REPORT IDENTIFICATION NUMBERS

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### List of 27 ODI Report reference numbers:

11181777, 11296958, 11316668, 11354629, 11361573, 11419124, 11427453, 11433239, 11438058, 11442955,  
11451254, 11459320, 11461645, 11470518, 11478581, 11484014, 11486284, 11489998, 11512946, 11513451,  
11513775, 11525207, 11525210, 11538883, 11541185, 11567872, 11580495