

Safety Issue Type: Investigations

October 23 2025    NHTSA Action Number: EA25007 **OPEN INVESTIGATION**

Loss of motive power due to engine failure

NHTSA Action Number    EA25007

Components    ENGINE, ENGINE AND ENGINE COOLING

Opened From    October 23 2025 - Present

Summary

The Office of Defects Investigation (ODI) has received 1,157 reports of engine bearing failure failures in the L87 6.2L engine produced by General Motors (GM). Of the 1,157 reports received, 173 are outside of the scope of recall 25V-274. These engines are installed in Model Years (MY) 2019–2024 Chevrolet Silverado 1500 and GMC Sierra 1500, and 2021-2024MY Chevrolet Suburban and Tahoe, GMC Yukon/Yukon XL, and Cadillac Escalade/Escalade ESV vehicles.

The subject engine failures were investigated as part of a Preliminary Evaluation (PE25001). GM determined that these engine failures were due to multiple supplier manufacturing and quality issues. GM issued recall 25V-274 to address the supplier manufacturing and quality issues produced between March 1, 2021, and May 31, 2024. Based on the issuance of recall 25V-274, NHTSA has closed PE25001.

ODI continues to receive a significant number of reports of engine failure in vehicles outside the scope of 25V-274. This presents a potential safety risk that warrants further investigation. ODI is opening this Engineering Analysis (EA) to further evaluate the scope and severity of the potential problem and to fully assess the potential safety-related issues of vehicles built outside the recall scope.

To review the ODI reports cited in the Opening Resume ODI Report Identification Number document, go to [NHTSA.gov](https://www.nhtsa.gov).

Affected Products (36)

Vehicle

| MAKE      | MODEL          | YEAR      |
|-----------|----------------|-----------|
| CADILLAC  | ESCALADE       | 2021-2024 |
| CADILLAC  | ESCALADE ESV   | 2021-2024 |
| CHEVROLET | SILVERADO 1500 | 2019-2024 |
| CHEVROLET | SUBURBAN       | 2021-2024 |
| CHEVROLET | TAHOE          | 2021-2024 |
| GMC       | SIERRA 1500    | 2019-2024 |
| GMC       | YUKON          | 2021-2024 |
| GMC       | YUKON XL       | 2021-2024 |

## Associated Documents (2)

OPENING RESUME ODI REPORT IDENTIFICATION NUMBERS

INOV-EA25007-23192.pdf 0.058KB

<https://static.nhtsa.gov/odi/inv/2025/INOV-EA25007-23192.pdf>

OPENING RESUME APPROVED

INOA-EA25007-23191.pdf 0.086KB

<https://static.nhtsa.gov/odi/inv/2025/INOA-EA25007-23191.pdf>