



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

# ODI RESUME

**Investigation:** DP 22-003  
**Prompted by:**  
**Date Opened:** 09/12/2022  
**Investigator:** Donte Kirksey **Reviewer:** Peter Kivett  
**Approver:** Stephen Ridella  
**Subject:** Loss of Motive Power

## MANUFACTURER & PRODUCT INFORMATION

**Manufacturer:** Hyundai Motor America, Kia America, Inc.  
**Products:** Hyundai Sonata, Sante Fe, Tucson; Kia Rondo Sportage Sorento  
**Population:** 5,231,078 (Estimated)  
**Problem Description:** Under normal driving conditions, without warning, the vehicle experiences a loss of motive power due to defective oil drain assemblies.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
<b>Complaints:</b>	10	0	10
<b>Crashes/Fires:</b>	0	TBD	TBD
<b>Injury Incidents:</b>	0	TBD	TBD
<b>Number of Injuries:</b>	0	TBD	TBD
<b>Fatality Incidents:</b>	0	TBD	TBD
<b>Number of Fatalities:</b>	0	TBD	TBD

## ACTION / SUMMARY INFORMATION

**Action:** Further evaluation of Defect Petition for a grant or deny decision

### Summary:

The Office of Defects Investigation (ODI) has received a petition on July 13, 2022, requesting a defect investigation into an alleged defect of the "oil drain pan assemblies" on the following 83 models/model year vehicles stated by the petitioner: 2006-2019 Hyundai Sonata, 2013-2018 Hyundai Santa Fe Sport, 2010-2012 and 2019-2020 Hyundai Santa Fe, 2010-2015 and 2018-2019 Hyundai Tucson, 2011-2021 Kia Sportage 2005-2020 Kia Optima, 2011-2020 Kia Sorento, 2010-2013 Kia Forte, 2010-2013, Kia Forte Coup, and 2007-2010 Kia Rondo vehicles equipped with the 1.6L T-GDI Gamma, 2.4L Theta II GDI, 2.4L In-Line GDI Theta II, Kappa, and 3.8L V-Shaped GDI Lambda-II engines. The petition also cites additional Hyundai/Kia vehicles that use similar drain pan assemblies as the above-mentioned vehicles as having drain pan assembly failures. The petitioner provided subject and peer vehicles information related to alleged engine failures. The petition itself can be reviewed at [NHTSA.gov](https://www.nhtsa.gov) under ODI number 11481745.

According to the petition, the Hyundai/Kia vehicle owners have made allegations of oil leakage failures occurring at highway speeds, without malfunction, indicator lights, or the leakage associated with under-tightening an oil drain plug, or a plug or pan with damaged thread. The alleged defects are causing engines to seize and loss of motive power.

A defect petition has been opened to evaluate the issue and determine whether to grant or deny the petition.

The petitioner identified a number of complaints received by NHTSA alleging complete engine failure from a variety of models stated above along with other models. The ODI complaints cited in the petition can be reviewed at [NHTSA.gov](https://www.nhtsa.gov) under the following ODI numbers: 11481745, 11433038, 11366918, 11431200, 11320689, 11245086, 11196311, 11114946, 11114946, 11097819.

