**Manufacturer Name:** Ford Motor Company  
**Submission Date:** DEC 22, 2023  
**NHTSA Recall No.:** 23V-905  
**Manufacturer Recall No.:** 23S64

### Manufacturer Information:
- **Manufacturer Name:** Ford Motor Company  
- **Address:** 330 Town Center Drive  
  Suite 500 Dearborn MI 48126-2738  
- **Company phone:** 1-866-436-7332

### Vehicle Information:
- **Vehicle 1:** 2016-2018 Ford Focus  
- **Vehicle Type:** LIGHT VEHICLES  
- **Body Style:** ALL  
- **Power Train:** GAS  
- **Descriptive Information:** Affected vehicles were built from March 24, 2015, to May 4, 2018, and are equipped with 1.0L engines paired with 6F15 automatic transmissions. These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford’s toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.
- **Production Dates:** MAR 24, 2015 - MAY 04, 2018  
- **VIN Range 1:** Begin: NR  
  End: NR  
  Not sequential

**Population:**  
- **Number of potentially involved:** 139,730  
- **Estimated percentage with defect:** 100 %
### Vehicle Information
- **Vehicle**: 2018-2022 Ford EcoSport
- **Vehicle Type**: LIGHT VEHICLES
- **Body Style**: ALL
- **Power Train**: GAS

### Descriptive Information
Affected vehicles were built from April 3, 2017, to October 12, 2021, and are equipped with 1.0L engines paired with 6F15 automatic transmissions.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford’s toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

113,689 Ford EcoSport vehicles are affected.

### Production Dates
- **Production Dates**: APR 03, 2017 - OCT 12, 2021

### VIN Range
- **VIN Range 1**
  - **Begin**: NR
  - **End**: NR
  - **Not sequential**

### Description of Defect
The engine oil pump drive belt tensioner arm may fracture, separate from the tensioner backing plate, and/or the oil pump drive belt material may degrade and lose teeth, resulting in a loss of engine oil pressure.

### Description of the Safety Risk
A loss of engine oil pressure can result in engine damage or seizure, which can result in a loss of motive power and a loss of the mechanical vacuum pump required to provide power braking assist, increasing the risk of a crash.

### Description of the Cause
The oil pump drive belt tensioner arm retention caulking joint is not robust to the vibration experienced by the component over time, which can cause arm separation. The tensioner arm can contact the engine balancer shaft, which can cause the tensioner arm to fracture. A greater than expected load on the oil pump drive belt may result in belt degradation. Ford’s engine design verification testing did not adequately represent the load on the oil pump tensioner system experienced in the vehicle.

### Identification of Any Warning
The instrument cluster will display a low oil pressure warning message and may also display a check engine light. If the vehicle...
that can Occur: continues to be driven, there may be a reduction in available power. Engine failure is expected to produce loud noises audible to the vehicle's occupants.

### Involved Components:

| Component Name 1: Drive Belt – Oil Pump |
|-----------------|----------------------------------------|
| Component Description: Oil Pump Drive Belt |
| Component Part Number: F1FZ-6B651-AA |

| Component Name 2: Tensioner - Drive Belt |
|------------------|-----------------------------------------|
| Component Description: Oil Pump Drive Belt Tensioner Assembly |
| Component Part Number: F1FG-6C777-AD |

### Supplier Identification:

**Component Manufacturer**

- Name: Dayco Europe SRL
- Address: Stradale Torino, 603 San Bernardo D’ivrea, 10015 Foreign States
- Country: Italy

### Chronology:

On February 15, 2022, Ford’s Critical Concern Review Group (CCRG) reviewed a potential issue pertaining to 1.0L Fox Classic engine oil pump belt tensioner failures. The CCRG determined that this issue did not present an unreasonable risk to motor vehicle safety as the majority of customer verbatims indicated symptoms in the form of check engine light, low oil pressure light, and engine noise. There were no accident or injury allegations related to the concern at the time of that investigation’s closure.

On July 23, 2023, the National Highway Traffic Safety Administration (NHTSA) contacted Ford regarding allegations of loss of motive power due to engine oil pump failures in 2018 to 2021 Model Year EcoSport Vehicles equipped with 1.0L Fox Classic engines.

On August 1, 2023, the CCRG reviewed this issue again and investigated loss of motive power complaints.
From August-October, 2023, Ford conducted vehicle level testing with a failed oil pump drive belt to understand the progression of symptoms. Ford obtained and performed tear-down analysis on 21 warranty return engines with suspected failed oil pumps. This teardown analysis identified the root cause failure modes.

On September 20, 2023, NHTSA opened Preliminary Evaluation (PE23-015) to determine the scope and severity of the alleged engine failure and to fully assess the potential safety-related issues. NHTSA provided 95 related VOQs with this PE. Ford provided a response to PE23-015 on November 29, 2023.

Between June 10, 2016 and October 6, 2023 Ford is aware of 2099 warranty claims for this issue.

On December 15, 2023, Ford’s Field Review Committee reviewed the concern and approved a field action.

Ford is aware of one allegation of a crash resulting in two injuries potentially related to this concern. Ford is unaware of any fatalities related to this concern.

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The information contained in this report was submitted pursuant to 49 CFR §573