

RECEIVED

By Recall Management Division at 9:19 am, Jun 23, 2014

14V-358
(5 pages)

**Safety Defect and Noncompliance Report Guide for Vehicles
Part 573 Defect and Noncompliance Responsibility and Reports**

On June 19, 2014, Gillig LLC decided that a defect which relates to motor vehicle safety exists in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Responsibility and Reports.

Date this report was prepared: June 19, 2014

Furnish the manufacturer's identification code for this recall (if applicable): N/A

1) Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

Gillig LLC
25800 Clawiter Road
Hayward, Ca 94545

Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.

Gregory J. Vismara
Vice President
Telephone number: 510-264-5037 **Fax Number:** 510-264-3897

Name and Title of Person who prepared this report:

Gregory J Vismara
Vice President

Signed:



I. Identify the Vehicle Models Involved in the Recall

2. Identify the Vehicles Involved in the Recall:

Make(s): Gillig LLC **Model Years Involved:** 2007-2014 **Model(s):** Lowfloor

Production Dates: Beginning: 9/26/2007 **Ending:** 1/24/2014

VIN Range: Beginning: 78418 **Ending:** 182275 (not sequential)

Vehicle Type: Transit Bus **Body style:** Lowfloor

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

Effected Vehicles may be equipped with an engine oil sampling hose that is routed in close proximity to hot engine exhaust components.

Identify the approximate percentage of the production of all the recalled models manufactured by your company between the inclusive dates of manufacture provided above, that the recalled model population represents. 7%

II. Identify the Recall Population

3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.

<u>Model</u>	<u>Year</u>	<u>Number of Vehicles Potentially Involved</u>
Lowfloor	2007-2014	648

Total Number Potentially Affected by the Recall: 648

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: 90 %

Identify and describe how the recall population was determined – in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

The vehicle Bill Of Material history database was searched for vehicles that were built using installation drawings that were non-specific with regards to the detailed routing of the oil sampling line. The end date for the suspect population was the last vehicle built before production use of updated routing drawings.

III. Describe the Defect or Noncompliance

5. Describe the defect or noncompliance. The description should address the nature and physical location of the defect or non-compliance. Illustrations should be provided as appropriate.

Engine oil sampling hose was routed in close proximity to hot engine exhaust components.

Describe the cause(s) of the defect or noncompliance condition.

Installation drawings for the hose routing allowed manufacturing interpretation and ultimately variations in the installed hose proximity to the engine exhaust components.

Describe the consequence(s) of the defect or noncompliance condition.

Engine oil sampling hoses routed too close to hot engine exhaust components may over time degrade due to exposure to high temperatures. Subsequently these hoses may develop an oil leak. Combustible fluids such as engine oil in the presence of hot engine exhaust components may increase the risk of a fire.

Identify any warning which can (a) precede or (b) occur.

Oil on the hose or seen on the engine directly next to the hose may indicate degradation of the hose.

If the defect of noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.

N/A

Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:

N/A

IV. Provide the Chronology in Determining the Defect/Noncompliance

6. With respect to a defect, furnish a chronological summary (including dates) of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.

On February 7, 2014 an engine oil sampling hose suspected of leaking was returned from an in service vehicle customer. The hose was verified as leaking at Gillig and subsequently returned to the hose vendor for failure analysis. The vendor concluded root cause of the failure was high temperature exposure degrading the rubber hose liner. All Gillig customers to receive this oil sampling option were identified and Gillig field

service personnel visited a sample population of these customers to visually inspect these vehicles to better understand the routing variability. To date 4 confirmed failed hoses and 4 suspect hoses have been returned to Gillig. There are no known accidents, fires, injuries or fatalities related to this defect.

7. With respect to a noncompliance, identify and provide the test results or other data (in chronological order and including dates) on which the noncompliance was determined.

N/A

V. Identify the Remedy

8. A description of the manufacturer's program for remedying the defect or noncompliance. This program shall include a plan for reimbursing and owner or purchaser who incurred costs to obtain a remedy for the problem addressed by the recall within a reasonable time in advance of the manufacturer's notification of owners, purchasers and dealers, in accordance with §573.13 of this part.

The remedy will involve field inspection of the oil sampling line. If it is routed within 7" of any hot exhaust component the hose will be removed, replaced and rerouted to provide appropriate clearance to the hot exhaust components.

9. Furnish a description of the manufacturer's remedy for the defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.

Oil sampling hoses that are routed too close to hot engine exhaust components (the recall condition) will be replaced with a higher temperature rated hose, sleeved with thermal insulation and moved an acceptable distance from the hot engine exhaust components (the remedy).

Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.

Recalled hose is Eaton FC300 (AQP Rubber liner, 302 F temperature rating) and routed less than 7" from a hot engine exhaust component. The remedy hose, Eaton FC186 (PTFE Teflon liner, 500 F temperature rating) will be sleeved with thermal insulation and will be relocated an acceptable distance from the hot engine exhaust components.

Identify and describe how and when the recall condition was corrected in production. If the production remedy was identical to the recall remedy in the field, so state. If the product was discontinued, so state.

The production remedy is identical to the recall remedy.

VI. Identify the Recall Schedule

10. Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify any foreseeable problems with implementing the recall.

The recall will begin immediately following NHTSA approval.

VII. Furnish Recall Communications

11. Furnish a final copy of all notices, bulletins, and other communications that relate directly to the defect or noncompliance and which are sent to more than one manufacturer, distributor, or purchaser. This includes all communications (including both original and follow-up) concerning this recall from the time your company determines the defect or noncompliance condition on, not just the initial notification. *A DRAFT copy of the notification documents should be submitted to this office by Fax (202-366-7882) or by E-Mail to RMD.ODI@dot.gov for review prior to mailing.*

Note that these documents are to be submitted separately from those provided in accordance with Part 579.5 requirements.