



## NA\_VOLVO\_Vehicle\_Range

**NA\_VOLVO\_Vehicle\_Range** VN~~X~~, VN~~L~~, VN~~M~~, VHD, VAH

### Engine family

Engine family 11L Engine , 13L Engine , 16L Engine

### Emission Standard

Emission Standard US16 , US15

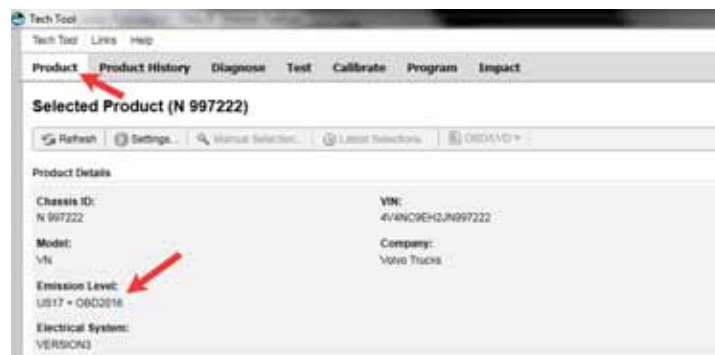
**\*\* SOLUTION \*\***

Title (customer effect) Volvo Chassis - Diagnostic Trouble Code ( DTC ) P0422 Lighting The Malfunction Indicator Light ( MIL ) - **US14+OBD15 And US14+OBD16 Emissions, Commonly Model Years 2016 And 2017**

Cause US14+OBD15 and US14+OBD16 (Commonly Model Year 2016 and 2017) chassis may log DTC P0422.

Solution **Verify the chassis emissions level**

- Details can be found in the Product Details box on the Product tab in PTT as seen below:



**Review the Detailed Status Information for the relevant code on the DTC Readout.**

Control Unit	DTC	Status
Brake ECU (MD 130)	SID 09: Axel load sensor, FM 2: Data enable, intermittent, or incorrect	Active
Engine Control Module (EMS)	P229F04: NOx Sensor Gas Outlet Heated, Signal Plausibility Failure	Active

Title	Value
Confirmed DTC	True
Pending DTC	False
Test failed	True
Test failed since last clear	True
Test failed this operation cycle	True
Test not completed since last clear	False
Test not completed this operation cycle	False
Warning indicator requested	False

## For US14+OBD15

- Software improvements have been released to address this code. Refer to the table below:

Action Required		
ECM	Main Software	Action Required
D11/ D13	Equal or Less Than 22741776	Update to Latest Software
D16	Equal or Less Than 22644015	Update to Latest Software
ACM	Main Software	Action Required
D11/ D13 / D16	Equal or Less Than 22741796	Update to Latest Software

- **Note:** Premium Tech Tool (PTT) may display a message stating that the current software is the latest edition. Follow the option to reload the current software if this occurs.

## For US14+OBD16

- Refer to [FSB 284-065 Engine Control Module \(EMS\) and Aftertreatment Control Module \(ACM\). Reprogramming.](#)

- This bulletin is current as of 17 April 2018.

**If software is current and the code is present**, the code confirmed status should be verified to be TRUE as shown above before continuing diagnosis.

- Codes and symptoms related to P0422 should be diagnosed prior to P0422.

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Campaign code	FSB284-065
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Solution visibility	<a href="#">Dealer distribution</a>
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**Function(s)/component(s) affected**

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Function affected	exhaust , Diagnostic tool
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**Function Group**

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Function Group	254 catalytic converter; exhaust emission control equipment , 258 emissions after-treatment , 284 control system, fuel supply
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**Customer effect**

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Main customer effect	regeneration , diagnostics/methodology , efficiency/abnormal behavior , fault code /display
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**Fault code(s)**

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OBD 2013 Diagnostic Trouble Codes	P0422
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**Conditions**

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Vehicle operating mode	when driving , when stationary
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Frequency of occurrence of problem	always
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## Administration

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Author UT01793

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Last modified by RU4469V

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Status Published

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Number of scores 2

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