

# OIL LEVEL SENSOR



## ITS FUNCTION



This sensor **measures the quantity of engine oil in the oil sump**. It continuously monitors the level to prevent critical situations in which the **engine lacks lubrication**.

If the oil level drops too low, the sensor sends a signal to the dashboard, activating a warning light or message. This **function is essential to protect the engine**, as too low an oil level can lead to excessive wear, overheating and even engine failure.

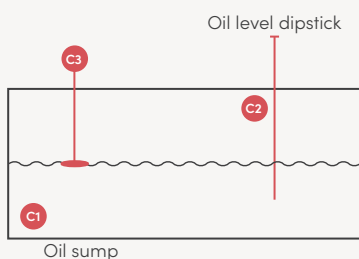
## GOOD TO KNOW

The oil level sensor is generally **located in the oil sump under the engine**. It can be mounted in different places:

- **Directly in the sump (C1)**: the sensor is inserted into the sump and immersed in the oil. This position allows direct measurement of the oil level.
- **Close to the dipstick (C2)**: some configurations integrate the sensor close to the dipstick, at the top of the crankcase.
- **Outside the sump (C3)**: it can be mounted outside and connected by a rod or float to measure the level indirectly.



## ILLUSTRATION



Cx Oil level sensor



## TECHNOLOGIES

Oil level sensors can use **several technologies**, each with its own advantages and specific applications: the float sensor, the capacitive sensor, the variable resistance sensor or the ultrasonic sensor.

The **float sensor** - the most common technology on the market - is a **simple, tried-and-tested system** that is renowned for its **reliability** and **cost**.



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