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# **„MECHANIK W EUROPIE II”**

## **Checking the condition and possible fluid replacement in the car**

**Engine oil**

**Cooling liquid**

**Brake fluid**

**Windshield washer fluid**

# *Checking the condition and possible fluid replacement in the car*

## *Engine oil*

To properly check the **engine oil level**, you should know first of all where it is located:

Engine oil filler - black cap with oil symbol

Engine oil dipstick (element) with a yellow tip



The oil should be checked at least 15 minutes after the engine has been switched off, preferably before the engine is started and when the vehicle is horizontal on a straight surface.

**The check operation is as follows:**

Remove the measurement indicator / bayonet and clean its tip. We put in the same place from which we pulled it out. Again, we pull out and check whether the oil is in the

range between the minimum and the maximum. If it is not enough, we pour it using the infusion.



To **change the oil**, first unscrew the drain screw from the oil sump and when all the oil drains, you can unscrew the oil filter and pour oil out of it. We clean the cork and the trigger. Then unscrew in the screw.



Through the hole in the top of the engine, pour a new oil. Do not pour all the liquid immediately, but about  $\frac{3}{4}$  of the planned capacity. We wait a few minutes for the oil to spread in the engine. With a clean bayonet we check its level. If the oil level is halfway between the lines on the dipstick, add about 200 ml (this is the capacity of the glass) until it approaches the level at least half - the difference between the minimum and the maximum is the difference of about 1 liter. We start the engine and let it work for a few minutes on slow speed. Then turn it off and after about 15 minutes, check the oil level again. We check if there are any leaks in the vicinity of the drain plug and the filter. If not, we note the date of replacement, the mileage of the vehicle and the type of oil.

## ***Cooling liquid***

The level of coolant is checked in the compensating tank located at the front of the engine slightly to the left. Fluid level markers are placed on the container from the inside. The inflow is slightly to the right.

The maximum value is marked on the tank in its upper part - F – FULL

The minimum value is marked on the tank in the lower part - L - LOW

The level is correct when it is in the range between the minimum and the maximum.





To top up the coolant, unscrew the cap and top up the fluid between F (FULL) and L (LOW).

## ***Brake fluid***

The crowd level in the reference element is checked in the equalizing tank. Ruler sides to both sides of the tank.



The maximum value is marked on the tank in its upper part F – FULL

The minimum value is marked on the container in its lower part L – LOW

The level is correct when it is in the range between the minimum and the maximum.



## Windshield washer fluid

The checking of the presence of windscreen washer liquid and its supplementation is carried out in the reservoir, the filler cap of which is clearly on the left side.

We check the presence by looking into the reservoir through the filler hole. If the liquid can not be seen, we pour it.

It is also possible to check the presence of the liquid by activating the washer (the right hand lever moves towards the steering wheel).

This is the only fluid where we do not check the level but its presence



**Wykonali :**

**Mateusz Śnieżek Andrzej Kowalczyk Jakub Paczosa Michał Jastrzęb Aleksander Gewert**

**Źródła:**

<https://naukajazdy-poznan.eu/plyn-3-egzamin-praktyczny-prawo-jazdy.html>

<https://www.motofakty.pl/artukul/plyny-i-oleje-w-samochodzie-jak-sprawdzac-i-kiedy-wymieniac.html>

