

## 18-0250 Measuring oil consumption

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Operation no. of operation texts and work units or standard texts  
and flat rates  
18-1020

1. Check engine for signs of external oil loss.
2. Park vehicle on level ground and mark parking position.
3. Warm engine oil up to temperature of 80 °C. Measure oil temperature with remote thermometer 124 589 07 21 00.

4. Switch off engine.

Wait precisely 5 minutes, then measure oil level from bottom of oil sump with dipstick 120 589 06 21 00. The millimetre scale of the dipstick must face toward the fan. Remove dipstick after 3 seconds and read off oil level.



Avoid overfilling engine with oil. Max. oil level:

Engine 104.941/942/943/945/980/981/991/992/995 = 102 mm from bottom of oil sump.

Engine 104.944/990/994 = 118 mm from bottom of oil sump.

Adjust oil to correct level if necessary and repeat measurement as from step 3.

Read off the oil quantity from the diagram of the test sheet in accordance with the dipstick reading and enter in the test sheet.

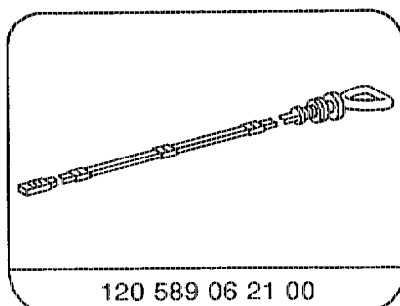
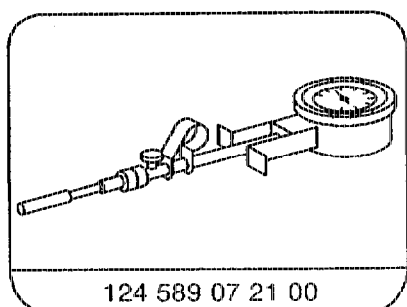
5. Carry out test run over a distance of approx. 250 km. Take into account the operating conditions of the vehicle at the customer's.
6. Park vehicle on the marked position. Repeat operations as from steps 3 and 4.



If the engine is switched off to allow the engine oil to cool to 80 °C, the engine must be run for about 10 seconds before performing the measurement (step 3) and the accelerator blipped in order to assure the same measurement conditions.

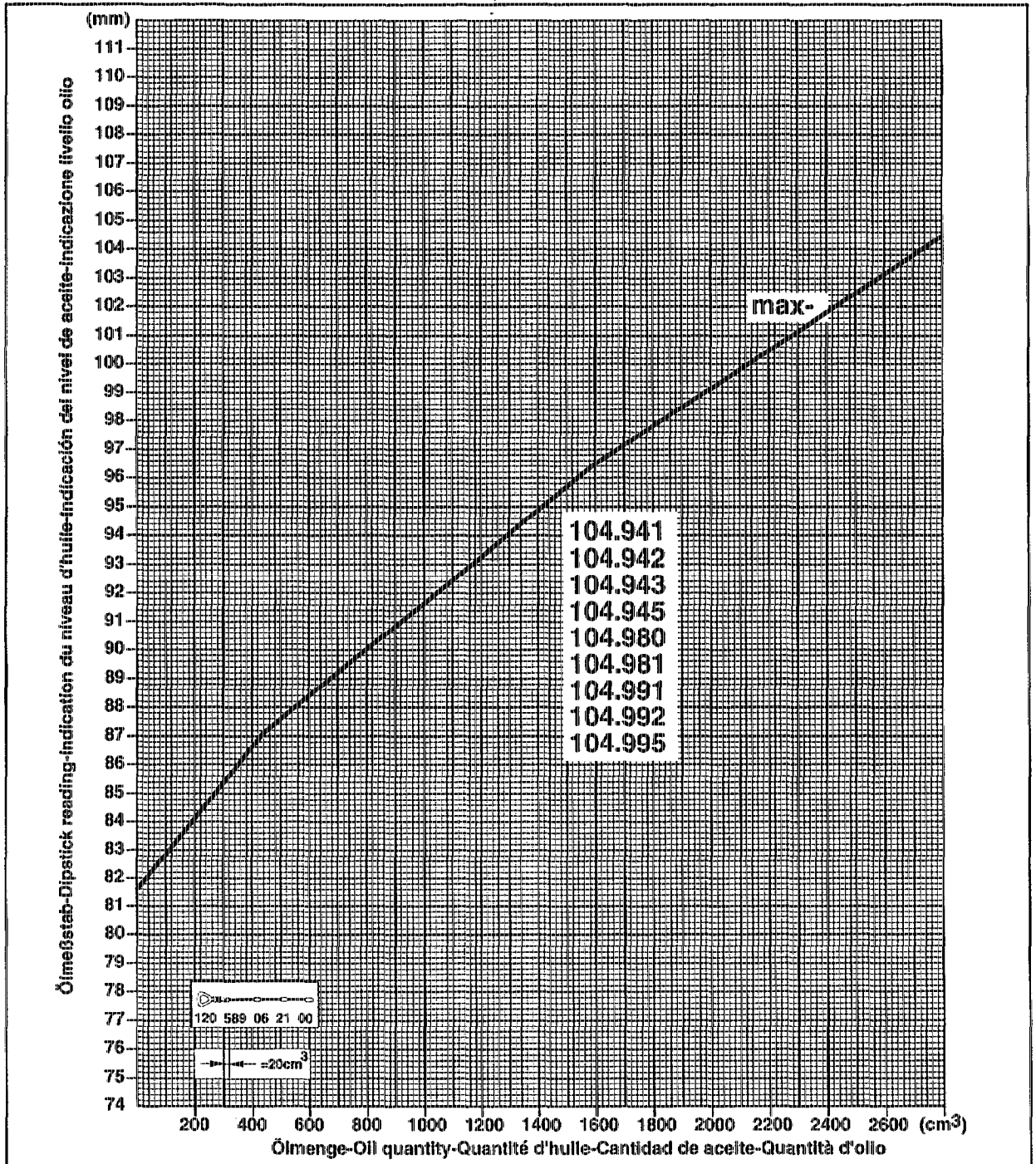
7. Calculate the oil consumption in litres/1000 km from the quantity of oil consumed (cm<sup>3</sup>) and the distance covered (km).

### Special tools



Engine 104.941/942/943/945  
 Engine 104.980/981  
 Engine 104.991/992/995

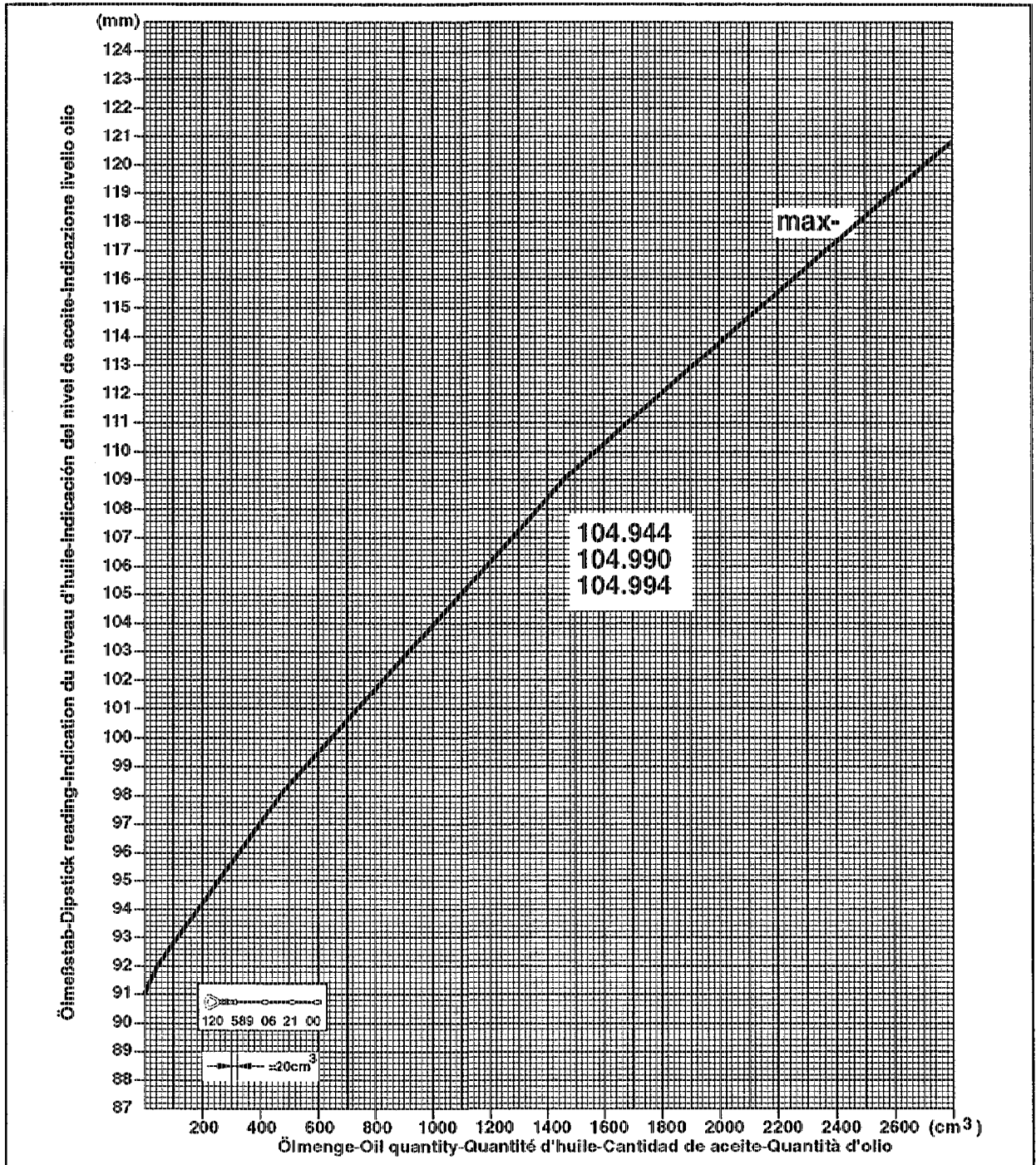
Specimen test sheet



P18.00-0264-61

Engine 104.944  
 Engine 104.990  
 Engine 104.994

Specimen test sheet



P18-5317-61

Order the forms by quoting the  
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