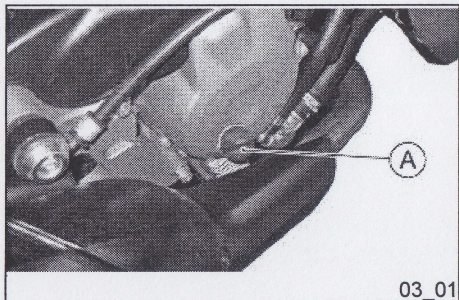


Engine oil level

In 4T engines, the engine oil is used to lubricate the distribution elements, the brass bearings and the thermal group. **If there is not enough oil, it could cause serious damage to the engine itself.** In all four-stroke engines, a loss of efficiency in oil performance and certain consumption should be considered normal. Consumption can particularly reflect the conditions of use (i.e: when driving at 'full acceleration' all the time, oil consumption increases). The replacement intervals provided for by the maintenance programme are defined depending on the total content of oil in the engine and the average consumption measured following standardised methods.

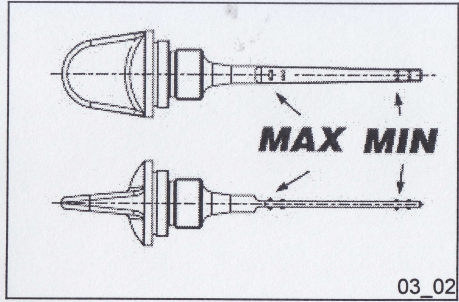
To prevent problems occurring, you are advised to check the oil level more frequently than suggested in the Scheduled Maintenance Table or before going on long journeys. In any case, the vehicle is fitted with an oil pressure warning light in the instruments.



Engine oil level check (03_01, 03_02)

Every time the vehicle is used, visually inspect the level of the engine oil when the engine is cold (after **completely unscrewing** the oil cap/dipstick). The oil level should be somewhere between the MAX and MIN index marks on the level rod; «A»; while the oil is being checked, the vehicle must be resting on its centre stand on an even, horizontal surface.

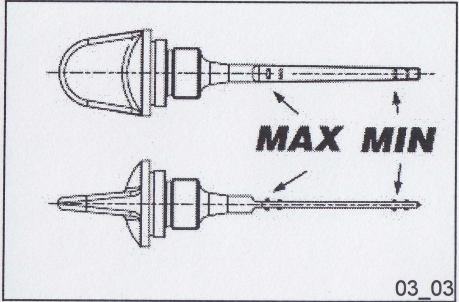
If the check is carried out after the vehicle has been used, and therefore with a hot engine, the level will be lower; in order to carry out a correct check, wait at least 10 minutes after the engine has been stopped so as to get the correct level.



03_02

Engine oil top-up (03_03)

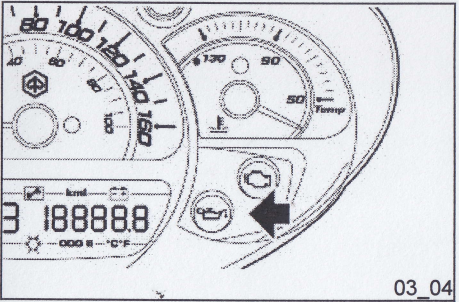
The oil should be topped up after having checked the level and in any case by adding oil **without ever exceeding the MAX. level**. The recovery level between the **MIN** and **MAX** level entails a quantity of oil of approx. 600 cm³.



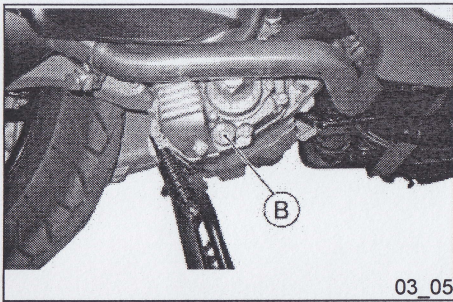
03_03

Warning light (insufficient oil pressure) (03_04)

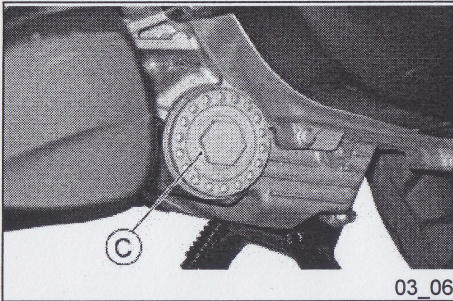
The vehicle is equipped with a warning light that comes on when the key is turned to «ON». However, this light should come off once the engine has been started. **If the light comes on while braking, at idle speed or while turning a corner, it is necessary to check the oil level and top it up if required.** If after having topped-up the oil, the warning light still comes on while braking, at idle speed or while turning a corner, it will be necessary to take your vehicle to an Authorised Service Centre.



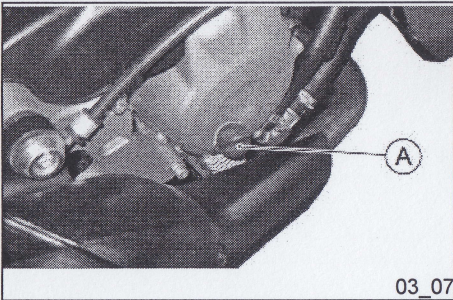
03_04



03_05



03_06



03_07

Engine oil change (03_05, 03_06, 03_07, 03_08)

Have oil changed and cartridge filter «C» replaced as indicated in the scheduled maintenance table at an **Authorised Service Centre**. Empty the engine by draining the oil through drainage cap «B». In order to facilitate oil drainage, loosen the cap/dipstick. Since a certain quantity of oil still remains in the circuit, add approx. 1100 to 1200 cm³ of oil through the cap «A». Then start the engine, leave it running for a few minutes and shut it off: after 10 minutes check the level and, if necessary top it up **without exceeding the MAX level**. The cartridge filter must be replaced every time the oil is changed. For top-ups and changes, use new oil of the recommended type.

WARNING



CHECK THE STATE OF THE SEALING O-RING AND IF DAMAGED, REPLACE WITH A NEW ONE.

THE ASSEMBLY, BE CAREFUL TO OIL IT SLIGHTLY.

WARNING

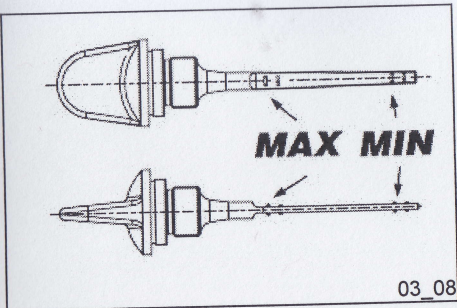


RUNNING THE ENGINE WITH INSUFFICIENT LUBRICATION OR WITH INADEQUATE LUBRICANTS ACCELERATES THE WEAR AND TEAR OF THE MOVING PARTS AND CAN CAUSE IRREPARABLE DAMAGE.

WARNING



OVERFILLING WITH OIL MAY CAUSE THE FORMATION OF HARMFUL DEPOSITS AND ENGINE MALFUNCTION.



03_08

CAUTION

USED OILS CONTAIN SUBSTANCES HARMFUL TO THE ENVIRONMENT. FOR OIL REPLACEMENT, CONTACT ANY AUTHORISED SERVICE CENTRE AS THEY ARE EQUIPPED TO DISPOSE OF USED OILS IN AN ENVIRONMENTALLY FRIENDLY AND LEGAL WAY.

CAUTION

USING OILS OTHER THAN THOSE RECOMMENDED CAN SHORTEN THE LIFE OF THE ENGINE.

Recommended products

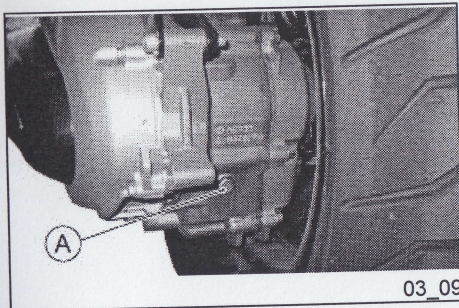
Engine oil 15W-50

Synthetic-based lubricant for four-stroke engines.
SAE 15W-50, JASO MA, MA2; API SJ; ACEA A3

Hub oil level (03_09)

Check the oil in the rear hub. To check the rear hub oil level, proceed as follows:

1. Rest the vehicle onto its centre stand, on level ground.
2. Unscrew the screw «A» and if oil comes out or touches the screw hole the level is correct. Otherwise, top up the oil.
3. Screw the screw back in, checking that it is locked in place.



03_09

CAUTION



RIDING THE VEHICLE WITH INSUFFICIENT HUB LUBRICATION OR WITH CONTAMINATED OR IMPROPER LUBRICANTS ACCELERATES THE WEAR AND TEAR OF THE MOVING PARTS AND CAN CAUSE SERIOUS DAMAGE.

CAUTION



USED OIL IS HARMFUL TO THE ENVIRONMENT. COLLECTION AND DISPOSAL SHOULD BE CARRIED OUT IN COMPLIANCE WITH REGULATIONS IN FORCE.

CAUTION



WHEN CHANGING THE HUB OIL, MAKE SURE IT DOES NOT TOUCH THE REAR WHEEL AND TIRE.

CAUTION



FOR OIL REPLACEMENT, CONTACT ANY AUTHORISED SERVICE CENTRE AS THEY ARE EQUIPPED TO DISPOSE OF USED OILS IN AN ENVIRONMENTALLY FRIENDLY AND LEGAL WAY.

Recommended products

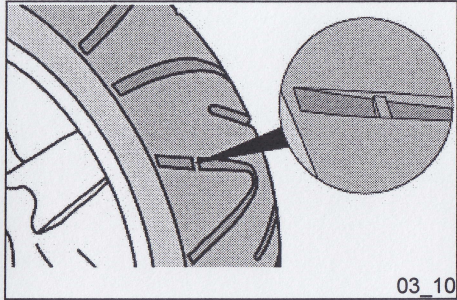
Transmission oil 80W-90

Lubricant for gearboxes and transmissions.
SAE 80W-90 API GL-4

Characteristic

Transmission oil

About 500 cc



Tyres (03_10)

Check tyre pressure and wear periodically as indicated in the scheduled maintenance table. Tyres feature wear indicators; replace tyres as soon as these indicators become visible on the tyre tread. Also check that the tyres do not show signs of splitting at the sides or irregular tread wear; if this occurs, go to an authorised workshop or at least to a workshop equipped to replace tyres.

CAUTION



TYRE PRESSURE SHOULD BE CHECKED WHEN TYRES ARE COLD. INCORRECT TYRE PRESSURE CAUSES ABNORMAL TYRE WEAR AND MAKES RIDING DANGEROUS.

TYRES MUST BE REPLACED WHEN THE TREAD REACHES THE WEAR LIMITS SET FORTH BY LAW.

WARNING



THE WHEELS, COMPLETE WITH TYRES MUST ALWAYS BE BALANCED. RIDING THE VEHICLE WITH VERY LOW TYRE PRESSURE OR WITH INCORRECTLY BALANCED TYRES CAN LEAD TO DANGEROUS STEERING VIBRATIONS.