

# Product data

## Fork Oil

### Product Description

**CASTROL FORK OILS** are highly stable suspension oils, recommended for use in motorcycle forks and shocks for road, off road and competition use.

They are blended from highly refined base stocks and contain selected additives to provide protection against wear, corrosion and to minimise the effect of foam or air entrainment in the fork.

### Product Benefits

- Prolongs seal life by resisting premature hardening and glazing, ensuring efficient fork operation.
- Stays in grade, maintaining consistent fork operation over a wide temperature range.
- Can be mixed with other **CASTROL FORK OIL** grades to obtain intermediate grades.
- Helps minimise rust and corrosion.
- Suppresses foam to ensure efficient damping operation.
- Available in graduated Easy Squeeze 500 mL packs to allow the correct amount of fluid to be added to the forks. These graduated packs are useful when mixing the fluids to attain intermediate viscosity fork oils.
- Available in four grades:
  - CASTROL FORK OIL 5**
  - CASTROL FORK OIL 10**
  - CASTROL FORK OIL 15**
  - CASTROL FORK OIL 20**

### Fork Oil Servicing

Manufacturers normally recommend each fork be drained, flushed and refilled with fresh oil every 10,000 kms. More frequent changes may be necessary if operating consistently under dusty, wet or racing conditions. Carefully follow the change procedure set out in the motorcycle service manual.

Particular care should be taken to ensure that the measured quantity of oil, as stipulated, is replaced in each fork strut, as too little oil will give sloppy and noisy operation, while too much will give a harsh, stiff suspension.

## Intermixing Castrol Fork Oils

To obtain a Fork Oil of intermediate viscosity, mix the fluids in a dry, dust free container, using the graduated **CASTROL FORK OIL** packs to measure the quantity of fluid required. Stir thoroughly, then fill each fork with the correct quantity of oil.

## Market Application

**CASTROL FORK OILS** are recommended by Castrol for all motorcycle forks. Note that **CASTROL FORK OIL 5** is suitable for use in BMW front forks.

## Typical Physical Characteristics

Castrol Fork Oil	Kinematic Viscosity 100°C	Kinematic Viscosity 40°C	Viscosity Index (min)	Pour Point °C	ISO Viscosity Rating
5	3.74	15	150	-34	15
10	6.4	32	150	-34	32
15	8.2	46	150	-34	46
20	11.1	68	150	-36	68

**Note:** Forks with the same grading; e.g. 5, 10, etc., may be significantly different in viscosity. For example, **CASTROL FORK OIL 5** is essentially the same viscosity as some products marketed as 2.5 grade oils.

To help reduce confusion, Castrol have also included ISO grading on our Fork Oils. The ISO grades relate directly to viscosity at 40°C. From the ISO grades, it can be seen that the ISO 32 (10) grade is twice as viscous as the ISO 15 (5) grade. The ISO 46 (15) grade is 50% thicker again than the ISO 32 (10) grade and the ISO 68 (20) grade 50% thicker than the ISO 46 (15) grade.

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