



ANTIQUE MOTORCYCLES - ACCESSORIES AND RELATED ITEMS

ZENITH 1912 GRADUA 770 CC COMBINATION



**SOLD**





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### PRODUCT DESCRIPTION

**Zenith 1912 "Gradua" 6 HP 770 cc sv V-twin JAP combination frame # 2275 engine # 18075**

Zenith machines were manufactured from 1904 till 1950, in a variety of factories in or around London. From the early days proprietary engines were used, such as Fafnir, Green-Precision, JAP, Bradshaw and Villiers.

The latter engines were used in most models from the thirties.

In pre- WW1 days Zenith machines gained many successes; driving force was chief Engineer Freddy Barnes, who was responsible for the famous "Gradua" gear.

The mechanics of the Gradua gear were a variable engine pulley worked by a handle, with simultaneous correction of the belt length made by sliding the rear wheel backwards or forwards in the fork slots.

Its advantage showed itself most effectively in speed hill climbs.

The Zenith rider could change during the journey up while the other competitors had to make do with a single choice of gear ratio.

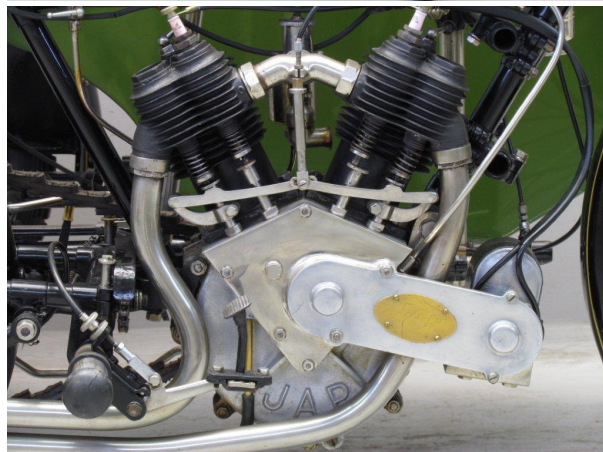
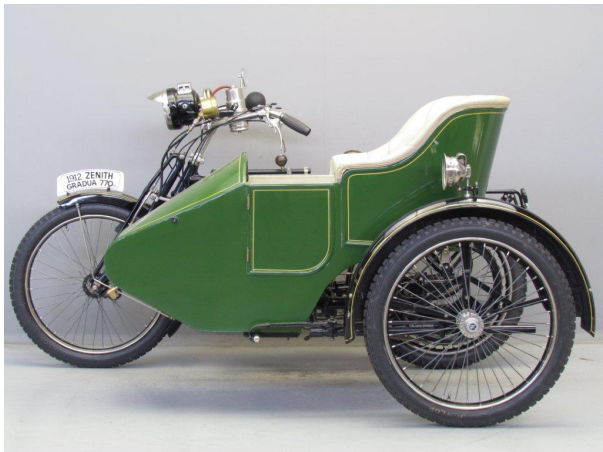
Rival riders and manufacturers thought that this was an unfair advantage so many leading clubs barred Gradua gear Zeniths from their hill climbs.

Zenith was quick to recognize the publicity value and took the word "barred" as their trademark.

This Zenith is equipped with a sturdy and reliable 6 HP ( 770 cc) JAP engine with bore and stroke of 76x85 mm and comes complete with Stewart speedo, bulb horn, full acetylene lighting and an elegant and comfortable sidecar.



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