



ANTIQUE MOTORCYCLES - ACCESSORIES AND RELATED ITEMS

ZENITH 1924 JAP 350 CC 1 CYL SV



**SOLD**





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### PRODUCT DESCRIPTION

**Zenith 1924 346 cc J.A.P. side valve single frame#8332 engine # IY/ M 23217**

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.

In the twenties production had to be economized and the expensive Gradua system gave way to a more conventional Sturmey Archer 3 speed gearbox.

Zenith stayed in the forefront with their racing and record breaking activities : in 1928 a Zenith-J.A.P. established a world record of 124.62 MPH at Arpajon in France.

This light and compact machine was the sole side valve single in the Zenith programme for 1924.

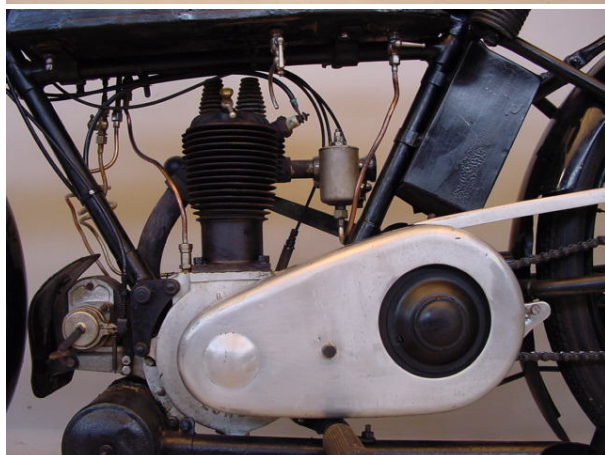
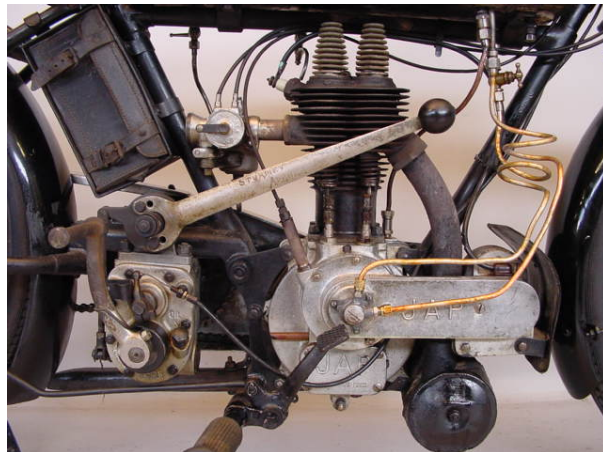
It is equipped with Senspray carburettor and has an early type of mechanical oil pump.

Druid forks are used and both primary chain case and rear chain guard are aluminium alloy items.

The machine is in good original and unrestored condition throughout and runs well.



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