



Telegrams
CYCLES, PHONE, REDDITCH

Telephone
REDDITCH 121 (9 Lines)

Manufacturers

of

Royal

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BICYCLES and
MOTOR CYCLES

THE ENFIELD CYCLE COMPANY LIMITED

Your Ref.

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HEAD OFFICE AND WORKS
REDDITCH
WORCS. ENGLAND

21st February 1961.

Mr. R. E. Thomas.

Report of Batch Tests on a "Constellation"
and a "Crusader Sports" Motorcycle at the
M.I.R.A. Proving Ground.

10-2-61

These were normal Batch Tests but the results were of special interest on account of the poor speeds recorded in the last tests reported in my Development Report for November and December 1960.

The following results were obtained:-

Constellation Frame No. 10334 Engine No. SB11017.

E. 113.2 --- W. 94.9 --- Mean 104.05m.p.h.

Crusader Sports Frame No. 17727 Engine No. SR7927.

E. 85.17 --- W. 67.74 --- Mean 76.45m.p.h.

The fuel consumption test was run in error at 40m.p.h. instead of 45m.p.h.

The results were:-

Constellation ---- 94.08m.p.g.

Crusader Sports ---- 94.08m.p.g.

The mean speeds recorded are considered satisfactory especially in view of the strong S.W. wind blowing which caused a difference in speed between the E and W runs of 17 to 18m.p.h.

CUSTOMERS MOTOR CYCLES, CYCLES OR PARTS THEREOF ARE RECEIVED AND HELD BY US ENTIRELY AT OWNER'S RISK AND WE ACCEPT NO RESPONSIBILITY FOR LOSS OR DAMAGE TO THEM ARISING FROM FIRE, THEFT, BURGLARY OR ANY OTHER CAUSE.



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The almost identical fuel consumption figures for the two machines are of interest. These figures are better than usual, owing to the lower speed, but are not the best recorded on Crusader Sports machines.

At the conclusion of the tests the three countersunk socket screws securing the back half of the Constellation chain case had come adrift and the sprocket nut itself was loose. If properly tightened these screws will not work loose. They cannot be reached for checking without removing the front half case, stator, chain, engine sprocket and clutch. It is therefore vitally important that they should be properly tightened.

R. E. Thomas