

HE ENFIELD CYCLE COMPANY LIMI

CYCLE & MOTOR CYCLE MANUFACTURERS

HEAD OFFICE AND WORKS: REDDITCH



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From Mr. R. A. Wilson-Jones.

2000-

Major P. T. Caith. Major V. S. Mountfor Mr. Vele Tours Mr. J.J. Rocker. Mr. L. Thomas. Mr. J. Lovetin.

23 th September 1960.

Cylinder Head Deckm

A secting of the Mininghon A.B. Centre of the Incol tution of Mochanical Engine re was held Tuesday night to discuss the proposition 'Are compression ratios above 10:1 worth persoing', Mr. Withers of British Petroleum Ltd., opened the discussion and was of the epinion that about 10:1 was the useful practical limit for empression ratios irrespective of shot fuels may be available in the future. Mr. Charles Goodsque of The Stall Corporation was in favour of compression ration higher then lott.

From the remarks of both the opening speakers and from the general discussion shich followed it become evident that one of the problems of very high compression potrol engines is the design of a reasonably compacted combustion chamber consistent with the necessary elearances to emable the vales to operate. Both the opening speciers and many of the succeeding ones were of the opinion that the oversquere engine is useuitable for very high compression ratios and suggested that if these came into general use engines shald have to be usde about equal in here and atroke.

• The discussion centred sainly round engines for passenger care and compered vehicles in both of which fuel sconing is of more importance than it is on motor cycles and specific performance is of less insortence. The engines considered were all of the vertical valved type with bath tub' combustion chambers and even with this type of engine it was considered desirable for the combustion chamber to take the form of a recess in the piston crosm (as in a diesel engine) in order to provide as compacted a combustion chamber as possible.

Condinuod.

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