STUDY THE SOLUTION TO COMPLETE THE ALL STAR 2017 – VNUF MOTOCYCLE IN THE DIRECTION OF IMPROVING FULE CONSUMPTION PERFORMANCE

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SUMMARY

Basing on theoretical method, the paper presents the scientific basis of making solutions to improve Wave Anpha 110cc motorcycle engine in the direction of improving fuel consumption performance. Calculating and selecting the transmission system with a reasonable transmission ratio, satisfying the requirements of drag and adhesive conditions when moving while ensuring the speed of the competition as prescribed. Automatic one-way coupling design for transmission to active wheels, thereby improving the performance of the transmission system. Design the aerodynamic shape of the motorcycle so that the air resistance acting on the motorcycle is minimal to reduce fuel consumption when the motorcycle moves on the road with a certain length. The research results are made the basis to improve fuel consumption performance for All Star 2017- Vnuf motorcycle and enhance achievements of motorcycle to take part in "eco-Mileage Challenge" competition annual organized by Honda in Vietnam.

Keywords: All Star 2017, automatic one - way coupling, eco-Mileage Challenge, fuel consumption performance, transmission system.

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