ABSTRACT

Today, automotive product competition triggers automotive industries to keep improving the quality of product, one of them is to improve vehicle performance. One of the important vehicle performance is the capability of tractive effort on vehicle. The capability of tractive effort is needed to accelerate, overcome steep grade and cover another resistance on the road.

Method used at this research by analyze the tractive effort requirement on various load and wind condition and also analyze the vehicle acceleration at level and steep grade street.

Result of research and analysis can show acceleration capability of three wheel passenger vehicle at level and steep grade street.

Keyword : tractive effort, load condition, wind condition, acceleration, acceleration capability.