

SUMMARY

The main problem in the city of Ibarra was that data were not known that indicate the state of the controls of the light vehicles for what you outlines to make this investigation in the one which as students of the career of Engineering in Self-driven Maintenance and applying the knowledge acquired in the course of our studies decides to make this investigation.

Initially we think about the problem and the objectives after this we appeal to carry out the total population's of light vehicles sampling that you/they circulate in the city of Ibarra of what a sample of 100 vehicles was obtained, which were subjected to the tests of the frenómetro.

The vehicles that were subjected to the tests were differentiated among automobiles in an I number of 66, vans in an I number of 20 and vehicles 4x4 in an I number of 16 of that which, 65,98% passes the tests of having braked and 34,71% doesn't pass the tests of what we conclude that a technical revision of controls in the City of Ibarra is necessary since estoa was compared with statistical of other counties.

After obtaining these data the presented proposal, it is that UTN by means of cooperation agreements with the entities that regulate the I traffic in this city, be able to establish a technical vehicular revision of the system of controls of the light vehicles that you/they circulate in Ibarra, since with this one will be able to make a direct contribution to wave collective and they would also decrease the accidents of I traffic and the lost ones human and materials.