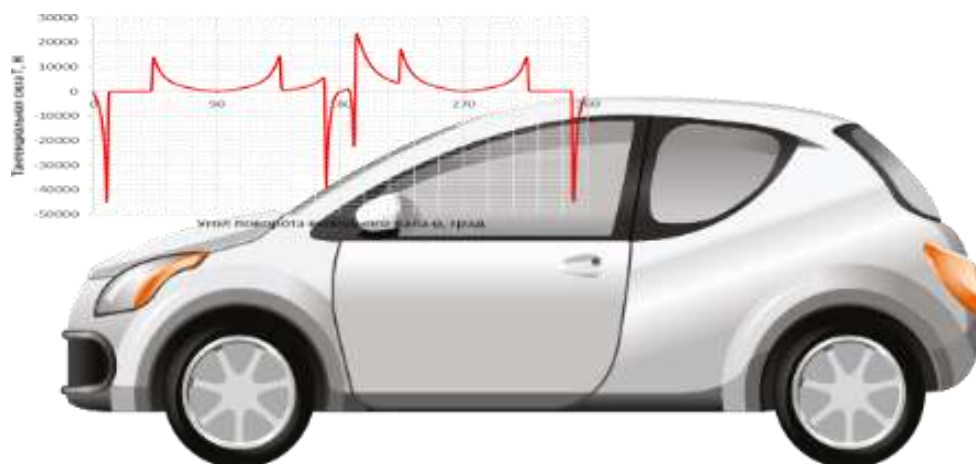


29.03.19

Preliminary kinematic, dynamic and load calculations performed by Inter Motor Group LLC, determined the main parameters of a promising four-cylinder gas (natural gas) ICE of the New Generation for a passenger car with a capacity of 100 hp



The calculation of the parameters of the ICE of the New Generation is associated with an assessment of the effectiveness of its use in operational conditions.

The purpose of the calculations is a preliminary assessment of the specific mass, overall, traction and fuel and economic indicators of the ICE of the New Generation installed on a passenger car.

The calculation results will allow us to evaluate its advantages in operating conditions, taking into account the restrictions imposed by traffic rules and road operating conditions.

ICE for a car	ICE New Generation	ICE VW 1.4TGI Blue Motion
Engine displacement, l	0.710	1.395
Rated power, h.p.	107	110
at a frequency of rotation, rpm	3000	6000
Maksim. torque, N•m	395	200
at a frequency of rotation, rpm	1300	2500
Fuel consumption, l/100 km	2.9	4.5