This research was done in the State Park "General Lazaro Cardenas del Rio", "Flor del Bosque", located east of the city of Puebla, Mexico, belonging to the municipality of Amozoc. Its geographical coordinates are 19° 00’ 00", 19º 01’ 50" North latitude and 98º 20’ 35", 98º 20’ 53" West longitude, covering an area of 664 ha. It has a subhumid temperate climate with summer rains. The average annual temperature is 18°C, and average annual precipitation is 800 mm. The predominant vegetation is of oak forests. The evaluation of physical, chemical, and biological properties of its most relevant soils might allow the knowledge and determination of the current health status of this park. Two groups of soils were considered, those under oak and those under eucalyptus plantations. The evaluated parameters: pH, linear expansion coefficient, clay percentage, electrical conductivity, cation-exchange capacity, bulk density, infiltration, organic matter, and microbial activity were the tools to evaluate the health of soil. These studies showed that soils under oak in most cases had a better quality than those dominated by eucalyptus.

Keywords
Soil quality, forestry, key indicators.