Abstract: 79% of total highway network of Turkey is chip sealed road pavement and some chip sealed routes have been serviced under the heavy traffic volume. However, according to the Turkish Highway Specification, this type of pavements should be constructed on routes that annually average daily traffics (AADT) under the 2000000. In this study, performance of a chip sealed pavements under the service in Konya region of Turkey, has been monitored along 2 years and periodic nondestructive tests have been performed and deterioration types have been determined. For this aim, sand-patch, British pendulum, dynamic cone penetration, light weight deflectometer tests and measuring density variation of chip sealed pavement were carried out and variations of performance of chip sealed pavement has been assessed.