

Tire Thread Analysis

An automobile repair shop wants an easy method to inspect tires and to check the alignment of cars.

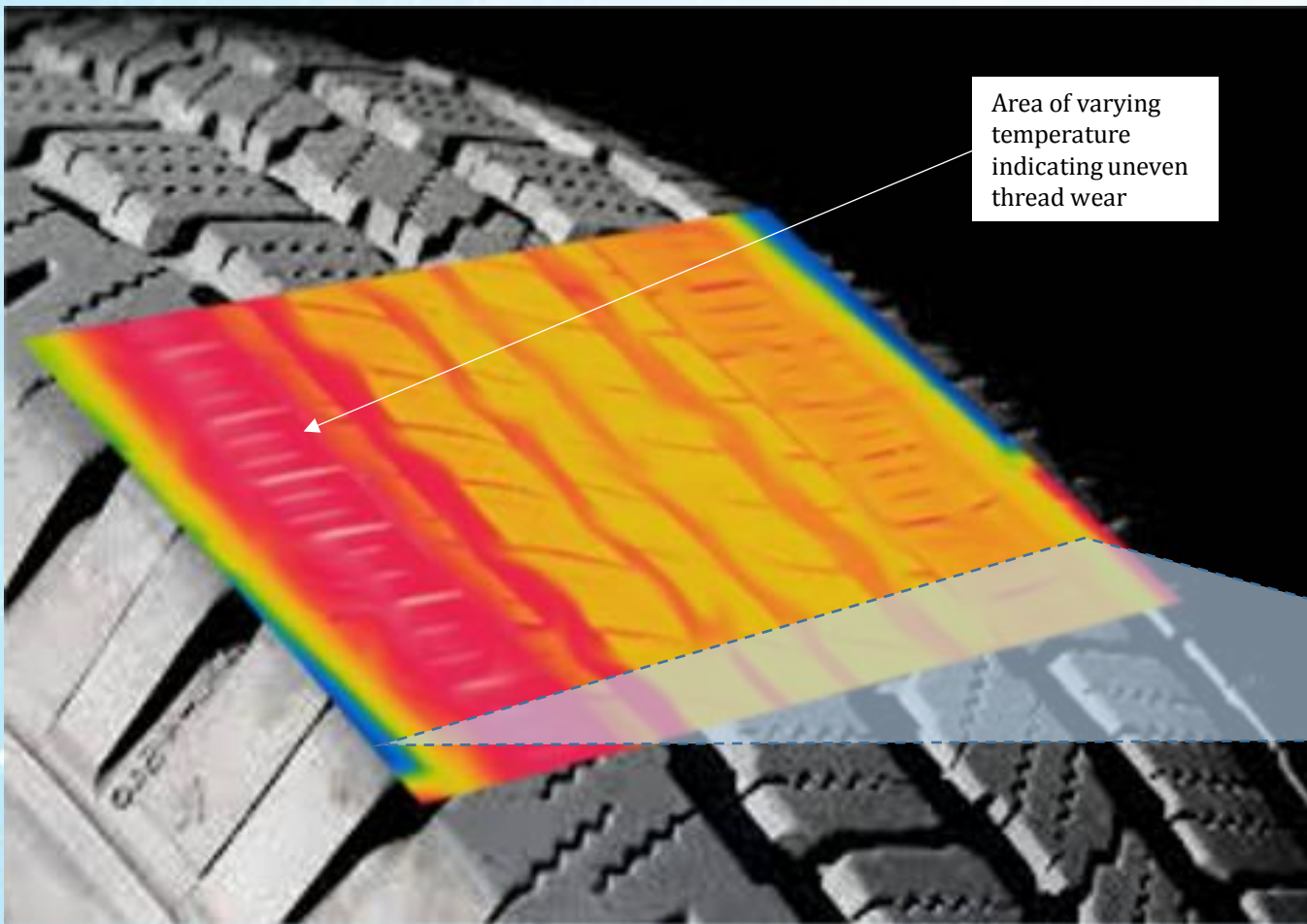


Solution:

An infrared (IR) camera is used to capture an image of the car's tire after it has been driven. The infrared image gives the automotive mechanic a clear image of the tire's wear pattern.

If the tire is not even in color (indicating even wear), the tire's alignment may be an issue of repair.

This is a fast and low cost method for the automotive repair shop and can be applied to the inspection of other parts of the car.



Area of varying temperature indicating uneven thread wear



IR Camera