

JUST BECAUSE YOUR TIRES FIT DOESN'T MEAN THEY'RE SAFE.

KAL TIRE TESTS HIGH AND LOW SPEED-RATED TIRES

Each tire size comes in multiple speed ratings. You need to have the right size and speed rating for your vehicle or you could be compromising your vehicle's safety and handling.

Kal Tire conducted a series of track tests to help drivers understand how much of an impact tire speed rating has on performance and safety in both everyday and emergency situations. We used two identical vehicles, one equipped with lower 'S' speed-rated tires, and one with higher 'V' speed-rated tires.

Here's what we found.



Lower 'S' Speed-Rated Tire

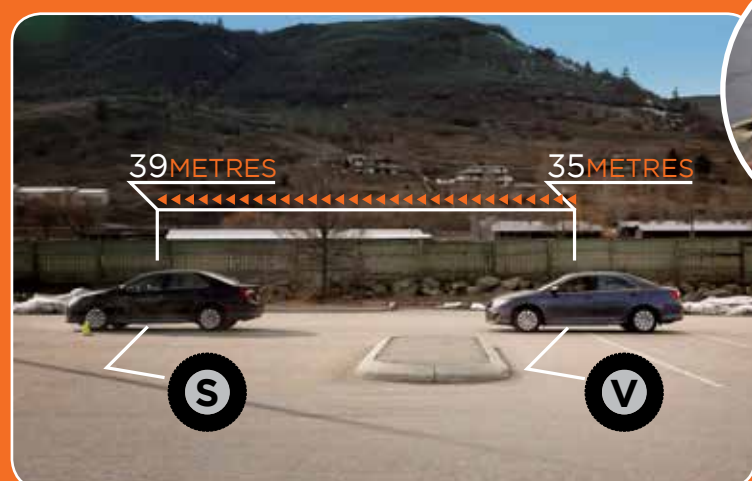


Higher 'V' Speed-Rated Tire



HEAT IS YOUR TIRE'S #1 ENEMY

Low speed-rated tires flex and squirm under pressure, causing heat build-up and putting you at risk of reduced traction and blowouts.



EMERGENCY BRAKING

In an emergency situation, a lower 'S' rated tire driving 100 km/hr is still going almost 25 km/hr when the higher 'V' rated tire stops.



STEERING RESPONSE

Better traction can help keep your vehicle on the road and avoid collisions. At identical speeds, the higher rated 'V' tires squealed far less because the tires responded better. Less tire flex also helped keep the vehicle stable after sudden swerves.



TREAD STABILITY AND CORNERING GRIP

Your vehicle's safety systems, such as traction control and ABS, can only work within the traction limits of your tires. It's the quality of a tire's construction that helps you manoeuvre safely.

When a low-rated tire faces hard cornering situations, it squirms, compromising tread stability. Over time, that can lead to tire degradation and shoulder feather like this.

For accurate and consistent results, an advanced driving instructor conducted each test with all tires set to recommended air pressure for high speeds and heavy loads. We used an asphalt track surface and the average temperature was 10 C. A contact pyrometer was used to measure tire heat build-up.



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