



Fleet Maintenance

How AIR-SEAL Prevents Tyre Failure

Plugs punctures on-the-go

AIR-SEAL plugs punctures up to 1/4 inch in diameter in the tread area of tyres. The air lock action is instantaneous as the vehicle travels, and the puncture seal is permanent. The vehicle operator never even sense the leak or needs to stop for a tyre repair.

Locks out leaks

AIR-SEAL protects against leaks and pressure losses at the rim, bead and from delamination pinholes that may escape re-treading inspection. Treatment also assures proper inflation with tyres on vehicles that are stored over long periods, when rubber's natural porosity permits pressure losses.

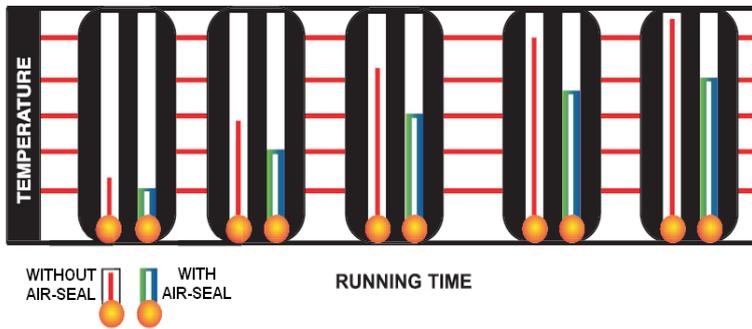
Keeps tyres running cooler

AIR-SEAL, unlike non-conductive rubber, absorbs and distributes heat from the tread area over the sidewalls and rim. Heat build-up is especially dangerous with under inflated tyres, where heat is concentrated on limited tread-to-pavement contact areas. With properly maintained inflation assured by an AIR-SEAL treatment, tyres run cooler, and last longer. Another advantage is increased fuel economy and safety.

Maintains wheel balance

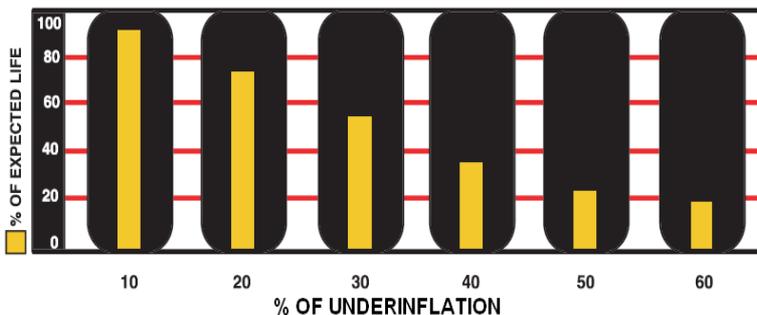
AIR-SEAL promotes hydrodynamic balance, even with hard-to-balance wheels. As the tyre rotates, centrifugal force distributes the fluid compound uniformly to the furthest points from the centre of gravity, so the axle's centre of rotation coincides with the true axle centre. Results: less uneven tyre wear, less chassis vibration, less operator stress and fatigue.

Dissipate Heat So Tyres Run Cooler



Deadly heat build-up destroys tyres prematurely. As this graph indicates, cooler running tyres deliver longer, safer tread life. Note how AIR-SEAL dissipates heat over the wide expanse of the side-wall and to the rim. The results are lower operating temperatures and extended tread life.

Stabilises Air Pressure For Added Tread Life



Under inflation is a major cause of tyre failure and shortened service life. This chart shows, for example, how a 20% loss in air pressure means getting only 75% of expected tread life. A single AIR-SEAL treatment, however, stabilises pressure to distribute tread wear more evenly and improve fuel economy.