



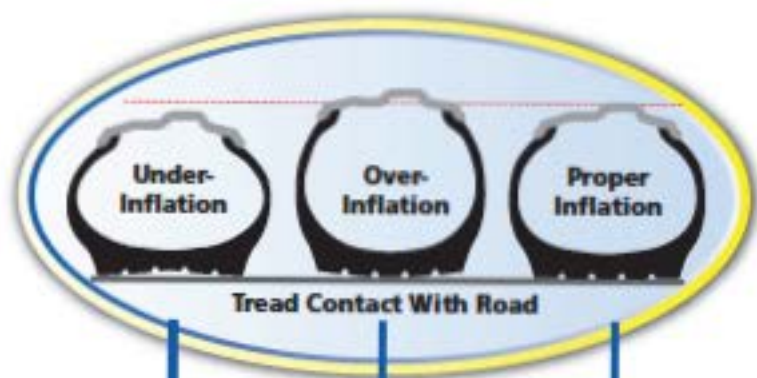
Mismatched pressure in dual position will cause the tires to rotate at different revolutions per mile resulting in irregular wear and tire damage.

**NOTE:** Due to the unique casing design of the MICHELIN® X One® tire, traditional pressure adjustment practices for dual tires may not apply to the MICHELIN® X One® tire product line. For additional information, see Pages 63-70 of Section Four, MICHELIN® X One® Tires and applicable Technical Bulletins.

It is important to maintain inflation equipment (compressor, inflation lines, and dryer) so as not to repeatedly introduce moisture into the tire, thereby accelerating oxidation effects to the tire and wheel.

## NITROGEN

Nitrogen is a very dry inert gas which makes up approximately 78% of the air around us and can be effected by humidity. Tires inflated with a normal air compressor already contain 78% nitrogen. Increasing the nitrogen percentage to 100% with a nitrogen inflation system will not adversely affect the inner liner of the tires nor the performance of the tires under normal operating conditions. While there are advantages for industrial and large off-the-road earthmover tires, the advantage in commercial truck products is difficult to verify. Moisture, rather than oxygen, is the bigger concern for casing degradation. Using good equipment (compressor, inflation lines, and dryer) will reduce the moisture content of the air in the tire. Moisture, when present in the tire, greatly accelerates the oxidation effects to the tire and wheel. The introduction of even a small amount of normal air will negate the advantage of the intended use of 100% nitrogen. If a nitrogen system is to be utilized, Michelin would recommend it be installed by trained personnel using appropriate equipment and safety guidelines. Regular pressure maintenance remains critical, and tire inflation check intervals should not be extended due to nitrogen use.



### UNDERINFLATION

Causes abnormal tire deflection, which builds up heat and causes irregular wear. Similar to the wheel being too wide.

### OVERINFLATION

Causes tires to run hard and be more vulnerable to impacts. It also causes irregular wear. Similar to the wheel being too narrow.

### PROPER INFLATION

The correct profile for full contact with the road promotes traction, braking capability, and safety.