

(translated from Dutch language press release)



VOLVO

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*** press release***

Nitrogen in auto tires helps the environment and safety **Volvo prefers nitrogen in auto tires**

Scientific research has proven that the use of nitrogen as inflation gas for auto tires gives many advantages compared to normal compressed air. Also, in the areas of environment and safety are the benefits significant. Additionally research has proven that well in excess of sixty percent of automobile drivers drive on incorrect/under-inflated tire pressure. With all the consequences that that entails. These are all reasons why Volvo Cars Netherlands from now on recommends that auto tires are filled with nitrogen.

A tire filled with nitrogen keeps better pressure than one filled with regular compressed air. Oxygen molecules are smaller so that they pass thru the tire wall three times faster than nitrogen molecules. Tires that have and maintain the correct pressure wear less, and ensure the most optimal rolling resistance. This in turn leads to fuel savings, which leads to less pollution to the environment. For example: A tire with 20% under inflation uses 2 to 3% higher more fuel than a tire with the proper pressure.

Also in the area of safety does nitrogen offer benefits when compared to regular compressed air. When a tire is properly inflated it has the most optimal grip onto the road surface and the shortest braking distance. Additionally, the chance of overheating the tire with the correct pressure is much smaller; therefore, the risk of a blowout is minimized.

These and other advantages – such as for example the reduced risk of oxidation on metal parts within the tires and the rims – have caused Volvo Netherlands to decide to switch to nitrogen tire inflation of all auto tires of its own fleet. This filling method is as yet still unavailable to the retail auto branch. Volvo Cars Netherlands expects that the Volvo dealers will follow and implement this environmentally beneficial initiative. To fill a tire with nitrogen, special equipment is necessary, but every tire is eligible to be filled with nitrogen.

*** end press-release***

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