

## **THE USE OF NITROGEN IN TIRES**



**Nitralife™**

*A customized  
solution and a  
flexible service  
to lower your  
costs*



**AIR LIQUIDE™**



## Nitralife™



*The concept of nitrogen in tires has been known to the tire industry for many years and particularly in high-tech sectors such as aerospace, commercial and military aircraft, Formula 1 racing cars...*

*Today, Air Liquide utilizes the latest advancements in air separation technology to allow transport companies to inflate tires with nitrogen instead of air : it is cost-effective, reliable and easy to use.*

*Air Liquide offers Nitralife™, a flexible and economical service to optimize your costs.*

***Gives life  
to your tires***

***with Nitralife™ !***



## ***Nitrogen characteristics***

- *Dry*
- *Inert*
- *Non-flammable*

### **Estimated tire life inflated with air**

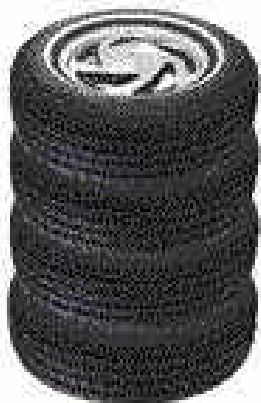


### **Estimated tire life inflated with NITRALIFE™**



**Save 30%**  
*on tires and fuel !*





## Benefits of Nitralife™

### ◆ Increased tire life (25%)

- ➔ *Tires stay inflated longer because nitrogen migrates 3 times slower than air*
- ➔ *Nitrogen eliminates internal oxidation of the tire so more retreads can be achieved*

### ◆ Better fuel mileage (2%)

- ➔ *Nitrogen reduces tire heat and therefore decreases rolling resistance*
- ➔ *Decreased rolling resistance = significant fuel economy*

### ◆ Improved safety

- ➔ *Nitrogen is inert and non-flammable*
- ➔ *Avoids risks of tires explosion in case of accident*

### ◆ Environment-friendly

- ➔ *Nitrogen reduces fuel losses due to under-inflation*
- ➔ *As a result, less pollution and less waste*

Nitralife™, a service based on :



**FLOXAL™**

### ◆ A know-how in technology



### ◆ 2700 FLOXAL™ references worldwide

### ◆ An experienced team



**FLOXAL™ :**

## **Integrated Nitrogen Supply Sytem.**

*FLOXAL systems supply the nitrogen you need directly at your site. Several lines of generators, utilizing the latest advancements in air separation technology, have been developed to meet your specific production requirements.*

*In service today at hundreds of facilities throughout the world, FLOXAL systems are the heart of the customized service we offer.*



*« Imagine what your performance could be »*

*For further information, please contact :*



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