

Alliance 372 VF Tires: Unbeatable Package

Independent research at IRSTEA on fuel efficiency, traction, footprint and slip / Top performance test results / Launch of upgraded tire version / Low total cost of ownership makes for an unbeatable package

09.09.2020 | Amsterdam

The impressive performance of the upgraded Alliance Agriflex+ 372 – or in brief the Alliance 372 VF – was confirmed earlier this year by an independent research performed at IRSTEA (Institut national de recherche en sciences et technologies pour l'environnement et l'agriculture) in France. The tests on fuel efficiency, traction, slip and footprint show that Alliance 372 VF tractor tire outperforms competitors' premium IF tires and is an about equal match for a competitors' premium VF tires. Given that Alliance tires come at a significantly lower price point, the top performance and the low total cost of ownership of the Alliance 372 VF make for an unbeatable package.

Alliance 372 VF is a radial steel-belted tire for tractors, combines, harvesters and some slurry tankers. The tire goes with the 10-year warranty, D speed rating and is available in 28 sizes – which is the biggest variety of VF sizes in the industry!

Tire upgrade "put to the test"

The Alliance 372 VF received a construction and design upgrade in early 2019. The improved stubble guard compound as well as special tread compounds for wear, cut and chip resistance were used for the updated version of the tire. These upgrades ensure high structural stability and reliable heat resistance during the cycling field operations (CFO) even at 0.8 bar inflation pressure. The updated tire has got rounded lug shoulders, larger footprint and higher lug angles for the better soil protection and self-cleaning.

"The recent field tests at IRSTEA were conducted on behalf of our R&D department to test the latest improvements of the tire", says Gerrit Vinkers, Application Specialist Europe at Alliance Tire Group. "In the course of transforming the complete Alliance IF tire portfolio to VF, our engineers looked for additional features to further enhance soil protection, improve tire performance and reduce structural strains in these highly flexible tires."

Four parameters – clear results

IRSTEA performed four field tests under defined conditions: fuel efficiency, traction, slip in soft soil and footprint breadth. The Alliance 372 VF and IF tires were tested against 2 similar patterns from the Premium brands in IF and VF construction in the same sizes: 600/70R30 for the front and 710/70R42 (rear tires). Tire inflation pressure was kept constant at 1.6 bar for the front tires whilst the load was varied between 4375 daN (IF) and 5150 daN (VF). For the rear tires, the load was kept constant at 4875 daN whilst tire inflation pressure varied between 1 bar (IF) and 0.8 bar (VF). While reading the test results, the performance of the Alliance IF tire is used as the reference baseline – or 100%.

Fuel efficiency: With a relative result of 107 % for the both tires, Alliance 372 VF matches the competitor's premium VF tire fuel efficiency level and clearly outperforms all IF tires.

Traction: Ranking a very close second to the competitor's premium VF tire, the Alliance 372 VF delivered more powerful traction than the competitors' premium IF tires.

Slip in soft soil: With its excellent test value, the Alliance 372 VF is in the lead in terms of lower slip: In relative figures, the performance of the Alliance 372 VF is 118 % of the baseline figure

(100 % for the Alliance IF tire) compared to 112 % for the competitor's premium VF tire, and 63 and 58 %, respectively, for the two competitors' premium IF tires.

Footprint: Also, in terms of footprint, the Alliance 372 VF is a convincing second winner: 112 is the relative value for the competitors' premium VF tire, closely followed by a value of 110 for the Alliance 372 VF. Compared to the footprint of the Alliance IF baseline tire – relative value 100 – the relative values of competitors' premium IF tires were 106 and 96, respectively.

The general conclusion of the tests: Alliance 372 VF perform in line with the Premium competition VF tires and better than Premium IF tires. Given that Alliance 372 VF comes at a significantly lower price point than the premium competitors' IF and VF tires, the overall test results reveal an excellent value for money with Alliance.

"Cutting edge technology, customer benefits and value for money have always been at the forefront of our thinking. As our flagship tractor tire in VF technology, Alliance 372 VF is a perfect example of how low total cost of ownership translates in terms of Price-Performance ratio in the slogan of Alliance Tire Group: Better Value. Smarter Choice", says Angelo Noronha, President EMEA of Alliance Tire Group.

NOTE.

A brief market survey on current gross retail tire prices reveals that the Alliance 372VF tires cost 23-36 % less than the Premium competition IF tires and 40-49 % less than the Premium competition VF tires.

About ATG

Alliance Tire Group is a part of Yokohama Group. With nearly 60 years of experience, the Alliance Tire Group specializes in the design, development, manufacturing, and marketing of Agriculture, Forestry, Construction, Industrial and Earthmoving tires under the Alliance, Galaxy and Primex brands.

ATG serves customers in 120 countries, across 6 continents and offers a full spectrum of products, from basic entry-level tires to a broad range of superior quality value-added products. All of the Group's tires are designed, developed and tested at its advanced R&D centres around the world.

Press-contact:

Julia Verbunt

PR & Communications Manager | Alliance Tire Europe BV | A member of the Alliance Tire Group.
Mobile: +31 (0)654916673 | E-mail: jverbunt@atgtire.com | Site: www.atgtire.com

Press-service:

Press releases and press photos can be found online at <http://www.press.atgtire.info/>