TM700 ProgressiveTraction.®
Enrich your farming.
Timeline: Tuesday, December 9th 2014. 04.30 a.m. CET.
For the first time ever, a tractor fitted with pneumatic agricultural tires reaches the South Pole. The ProgressiveTraction® provided the MF 5610 with the performance to drive the 5,000 km required to reach the South Pole and back - where no farm tire has gone before (www.antarcticatwo.com).
For the first Antarctica mission, in 1958, the MF tractor was fitted with tracks because the requested performance could not be achieved with a conventional tire. Today’s new generation of Trelleborg tires provides the extra grip, traction and premium flotation required whether in the field, on the road or even in the South Pole.

ProgressiveTraction® on agricultural tires, for all tractors between 100 and 240hp.
Leading Tractor Manufacturers are constantly developing the middle range tractor lines, demanding extra traction performance and fuel efficiency from the tires, with limited space for larger tires. The TM700 ProgressiveTraction® is the answer. More efficient, more sustainable to help you to produce more, with less.

Innovation Awards

ANTARCTICA 2
Trelleborg ProgressiveTraction® tire reached the South Pole on December 9th.

FINOVATION™
Honoured with “FinOvation award” at 2015 National Farm Machinery Show

LAMMA 2015
“Best New Product or Innovation (Environmental)”

“Silver Ears 2013” at Agribex 2013

“Machine of the Year award 2014” at Agritechnica 2013

MACHINE OF THE YEAR 2014
Performance for farmers, care for the environment

On the sidewall of the tire, the logo represents the improvements, patents and production procedures that the TM700 ProgressiveTraction® manufacturing process has been through in order to help farming professional to produce more with less.

The new range has been eco-designed* according to the BlueTire™ technology which includes:
- new eco-friendly materials
- advanced tread and bead concepts
- new sidewall designs
- eco-friendly manufacturing procedures

The BlueTire™ technology allows up to a 6% reduction in CO₂ emissions (compared to standard tires). 1 year of Blue Tire production led to an emission reduction of 13,700 tons of CO₂, the equivalent to about 2,884 personal vehicles in the course of a year.

13,700 CO₂ tons emissions = 2,884

* Eco-design methodology:
LCA (Life Cycle Assessment) certified by THINKSTEP
Learn more on thinkstep.com

Where no tire
The unbeatable performance of the Trelleborg ProgressiveTraction® is testament to its innovative double edge lug. While its two points of anchorage boost grip, the stronger base of the lug significantly reduces vibrations, wear and fuel consumption. In addition, the double edge lug also enhances the inter-lug terraces of the TM tires, maximising the self-cleaning capability of the tire.
The extra lug acts as an additional terrace on the unique Trelleborg TM tread, enhancing its great self cleaning capability and increasing the efficiency of the lug.

REDUCED VIBRATIONS
For a standard tire, the lug behaves like a “brush”. This accelerates the wear and increases the rolling resistance. The wider base of the ProgressiveTraction® lug ensures a higher resistance to lug vibrations.
Redefining traction performance

The higher grip of TM700 ProgressiveTraction® is driven by the dual anchor of the lug. The new design greatly reduces the tire slippage ensuring maximum traction. The ProgressiveTraction® technology boosts traction capability up to 31%.

![PULLING FORCE - TRACTION Index](image)

**Maximum flotation, extra wide footprint**

The additional lug base surface reduces sinking of the tire in the soil. In addition, the empowered sidewall flexibility leads to the widest footprint in the market, reducing soil compaction.

![FOOTPRINT AREA Index](image)
Great cost savings in the field

During high torque operation, the new TM700 ProgressiveTraction® line performs better than premium brand competitors and significantly better than the average of the market. The reduced working time per hectare results in lower emissions and premium cost efficiency.

### PLOUGHING

**Time to plough (min./Ha)**

<table>
<thead>
<tr>
<th></th>
<th>Time</th>
<th>Slippage (%)</th>
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<tbody>
<tr>
<td>TM700 ProgressiveTraction®</td>
<td>39.4</td>
<td>11.3</td>
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<tr>
<td>Premium Competitor</td>
<td>41.5</td>
<td>14.5</td>
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<td>Avg. of the market</td>
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<td>Budget Competitor</td>
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Lower is better

The economic benefits achieved by the reduction of operating time result in significant overall savings, including costs such as fuel, maintenance and manpower.

**TIME TO PLOUGH 300 Ha**

(vs. average of the market)

- **up to 13 hours saved**
- **950 € saved**
  - Average working costs per hour = 70 €
  - Including cost evaluation related to the tire wear performance

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Test conditions and calculations

- Soil condition: 40% sand, 35% loam, 25% clay
- Humidity: 15%
- Size: 520/70R38
- \( p = 1.2 \) bar
- Slippage: 5% - 20%
Compared to the market average, the TM700 ProgressiveTraction® provides you with better handling and safety performances. The new lug design avoids vibrations and assures premium comfort, essential for your long and demanding farming operations. In addition, the TM700 ProgressiveTraction® also reduces noise pollution, benefiting the operator and the environment.

**DRIVER COMFORT AND HANDLING**
(Score from 1 to 10)

<table>
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<th>Score</th>
<th>TM700 ProgressiveTraction®</th>
<th>Premium Competitor</th>
<th>Average of the market</th>
<th>Budget Competitor</th>
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The reduced “brush” effect of the lug prevents the energy dissipation, positively influencing the rolling resistance. With this reduction of wasted energy, the fuel consumption is reduced and the lifetime of the tire increases as much as 780 hours (compared to the market average). The outcome is a reduced total cost of ownership of the tire.

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**MILEAGE AND FUEL CONSUMPTION**

50% field - 50% road

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**Test conditions and calculations**

- 50% road, 50% field
- Tractor: 180 hp
- Fuel cost: 0.65 €/lt
- Rear axle: single fitment (2 tires)
- Sizes: 520/70R38 - 420/70R28
- p = 1.2 bar

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**Your TM700 ProgressiveTraction® uses 10% less fuel and lasts 780 hours more than the market average**

On the road, save up to 1,400 € after 1,000 hours vs. the average of the market
The TLC precisely identifies the load per axle of your tractor and the optimal tire pressure for each farming application.

Download the new Trelleborg free App to boost the productivity of your business.

Or visit www.trelleborg.com/wheels

<table>
<thead>
<tr>
<th>SIZE</th>
<th>Tread Pattern</th>
<th>SW mm</th>
<th>OD mm</th>
<th>SLR mm</th>
<th>RC mm</th>
<th>SRI</th>
<th>Rim</th>
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<th>Type</th>
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Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Our innovative engineered solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has local presence in over 50 countries around the world.

WWW.TRELLEBORG.COM/WHEELS