



TRELLEBORG



Trelleborg



# TM700 ProgressiveTraction® Where no tire has gone before



**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 TM700 ProgressiveTraction® provided the MF 5610 with the performance to drive over 3,100 miles to reach the South Pole and back - where no farm tire has gone before ([www.antarcticatwo.com](http://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 on 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.

# Performance for farmers, care for the environment



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

The new range has been eco-designed in association with BLUE TIRE Technology which includes:

- new eco-friendly materials
- advanced tread and bead concepts
- new sidewall designs
- eco-friendly manufacturing procedures



**PREMIUM  
TRACTION**



**SUPERIOR  
FLOTATION**



**REDUCED  
FUEL CONSUMPTION**



**EXCELLENT  
SELF CLEANING**

# The key features of ProgressiveTraction®

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, maximizing the self-cleaning capability of the tire.

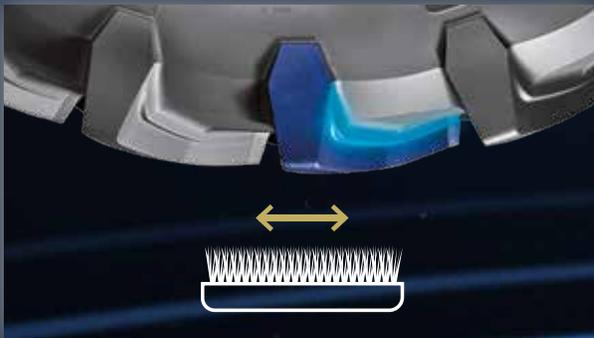




1

### Dual anchor, better grip

The “double edge” increases the grip on the soil, improving traction while reducing slippage.



2

### Reduced vibration, less fuel consumption

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.



3

### Enhanced self cleaning, higher traction

The extra lug behaves as an additional terrace on the tread profile enhancing its great self cleaning capability and increasing the lug efficiency.

# Redefining traction performance

The higher grip of TM700 ProgressiveTraction® is driven by the dual anchor of the lug. The advanced design greatly reduces the tire slippage ensuring maximum traction. The ProgressiveTraction® technology boosts traction capability by up to 18%.

## Traction performance - Index *Higher is better*



Reference size: 520/70R38



# 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 comparison - Index

*Higher is better*



Reference size: 520/70R38  
Load: 7,387 lbs.  
Inflation pressure: 23 psi

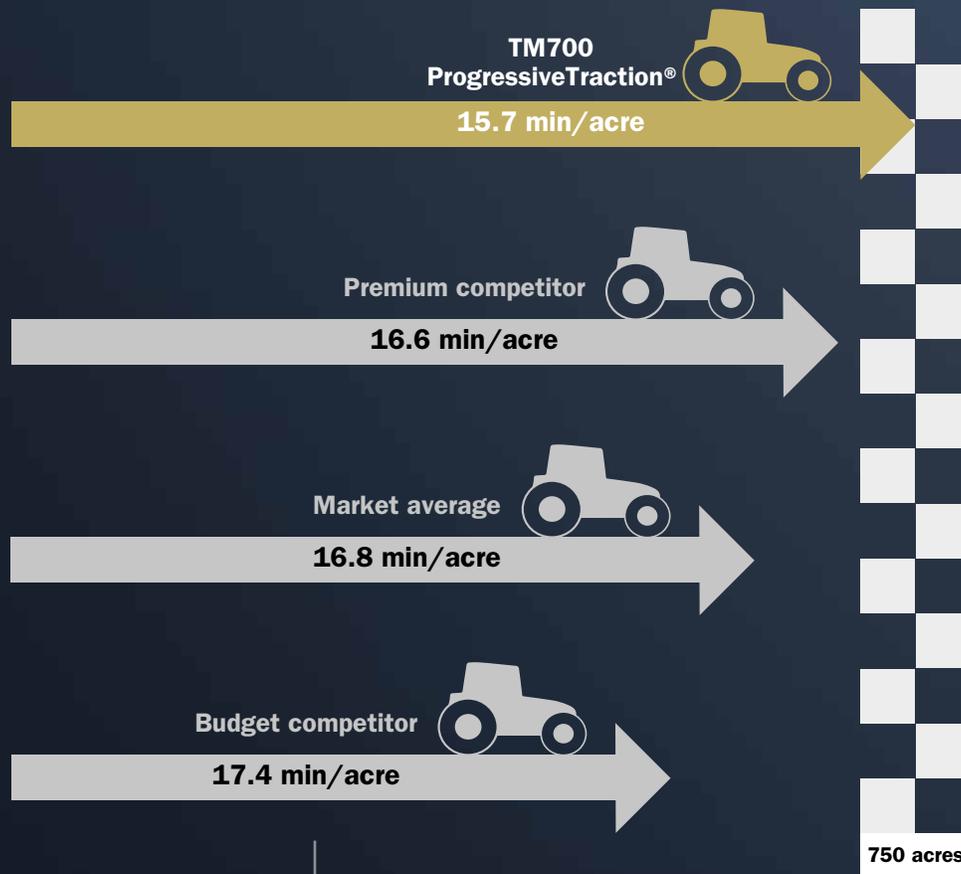


# Great cost savings in the field

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

## Time to plow 750 acres

*Lower is better*



**Up to 13 hours and \$1,272.00 saved  
vs. the market average**

Soil condition: 40% sand, 35% loam, 25% clay  
Humidity: 15%  
Slippage: 5% - 20%  
Average working costs per hour = \$101  
Including cost evaluation related to the tire wear performance

# Extra mileage and low fuel consumption

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 by as much as 780 hours, compared to the market average. The outcome is a reduced total cost of ownership of the tire.

## Fuel consumption on the road - Index

Lower is better

100



TM700  
ProgressiveTraction®

**-\$2,258.00**  
after 1,000 hours  
vs. the market average

104



Premium Competitor

120



Market average

137



Budget Competitor

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



Reference size: 520/70R38 - 420/70R28

50% road, 50% field - Tractor: 180 hp - Fuel Cost: \$4.41/gal - Rear axle: Single fitment - 2 tires

# Premium comfort and handling on the road

Compared to the market average, the TM700 ProgressiveTraction® tire provides you with better handling and safety performances.

The new lug design avoids vibrations and assures premium comfort, essential for long and demanding farming operations.

In addition, the TM700 ProgressiveTraction® also reduces noise pollution, benefiting both the operator and the environment.

## Driver comfort and handling - Score

*Higher is better*

9.0



**TM700  
ProgressiveTraction®**

8.7



**Premium  
Competitor**

8.1



**Market average**

7.5



**Budget  
Competitor**



# TM700 ProgressiveTraction®

Size	Tread Pattern	SW inches	OD inches	SLR inches	RC inches	SRI	Rim	Permitted Rims	Type	Tube
<b>380/70R28 127D</b>	TM700 ProgressiveTraction®	14.6	51.2	23.0	152.8	625	W12	W11 - W13 - DW11 DW12 - DW13	Tubeless	12.4-28 TR218
<b>420/70R28 133D</b>	TM700 ProgressiveTraction®	16.3	52.6	24.0	160.2	650	W13	W12 - W14L - DW12 DW13 - DW14L	Tubeless	16.9-28 TR218
<b>480/70R28 140D</b>	TM700 ProgressiveTraction®	18.9	56.3	25.2	167.5	675	W15L	W14L - W16L - DW14L DW15L - DW16L	Tubeless	16.9-28 TR218
<b>480/70R30 141D</b>	TM700 ProgressiveTraction®	18.7	58.5	25.8	175.2	700	W15L	W14L - W16L - DW14L DW15L - DW16L	Tubeless	18.4-30 TR218
<b>480/70R34 143A8 (143B)</b>	TM700 ProgressiveTraction®	18.7	62.4	28.2	187.4	750	W15L	W14L - DW14L - DW15L W16L - DW16L	Tubeless	16.9-34 TR218
<b>480/70R34 155A8 (155B)</b>	TM700 ProgressiveTraction®	18.7	62.2	28.6	188	750	W15L	W14L - DW14L - DW15L W16L - DW16L	Tubeless	16.9-34 TR218
<b>480/70R38 145D</b>	TM700 ProgressiveTraction®	19.3	66.5	29.7	198.8	800	W15L	W14L - W16L - DW14L DW15L - DW16L	Tubeless	18.4-38 TR218
<b>520/70R38 150D</b>	TM700 ProgressiveTraction®	20.7	69.1	31.1	206.9	825	W16L	W15L - W18L DW15L - DW16L - DW18L	Tubeless	18.4-38 TR218
<b>580/70R38 155D</b>	TM700 ProgressiveTraction®	23.2	72.2	32.3	214.8	875	W18L	DW18L	Tubeless	20.8-38 TR218
<b>580/70R42 158D</b>	TM700 ProgressiveTraction®	23.0	75	33.5	224.2	900	W18L	DW18L	Tubeless	20.8-42 TR218
<b>620/70R42 166D</b>	TM700 ProgressiveTraction®	24.8	76.0	34.3	229.1	925	DW20B	DW18L - W18L	Tubeless	



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