BRIDGESTONE

Groundbreaking
Best in class fuel efficiency. Best in class wet traction.
Bridgestone is constantly working to cut the total cost of ownership of your long haul fleet operations, whilst helping to reduce CO₂ emissions and promote ecological conservation. Day after day, we are committed to pushing boundaries, pioneering new technologies and investigating new compound materials, so that we’re constantly improving our premium tyres.

2: Based on findings from internal market research by Bridgestone Europe with long haul operators across Europe, 2016-2018.
3: European Environment Agency (2017) “National emissions reported to the UNFCCC and to the EU Greenhouse Gas Monitoring Mechanism”.

**FUEL COST**
Accounting for 30%, fuel is the biggest operating cost for a long haul truck fleet.

**WET GRIP**
Poor grip and safety in bad weather are a major concern for fleets and drivers using low rolling resistance tyres.

**CO₂ EMISSION**
Trucks and buses account for up to one quarter of total road transport CO₂ emissions.

**REGULATION**
Vehicle manufacturers have to calculate and declare CO₂ emissions for each truck they produce, using the VECTO tool. As per regulation (EU) 2017/2400.
ECOPIA H002, a new generation of uncompromising tyres for long haul fleets, which save fuel, reduce CO₂ emissions and keep you going even in challenging weather conditions.

**BEST IN CLASS FUEL EFFICIENCY**
A-A-A COMBINATION FOR STEER, DRIVE, TRAILER ¹

**BEST IN CLASS WET TRACTION**
OUTPERFORMING ALL ITS COMPETITORS ²

**TOP RATING FOR WET GRIP**
B-B-B COMBINATION FOR STEER, DRIVE, TRAILER ¹

**WINTER READY**
3PMSF AND M+S FOR STEER, DRIVE, TRAILER

ECOPIA H002 achieved the TÜV SÜD Tyre Performance Mark in recognition of product safety and quality. This achievement applies to each individual tyre: steer, drive and trailer.

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¹: EU label grades in long haul sizes 315/70 R 22.5 and 385/55 R 22.5.

²: Based on Wet Hill Climb Test carried out by TÜV SÜD at the request of Bridgestone in June 2018 at ADAC proving ground in Hockenheim (D), Bridgestone ECOPIA H-DRIVE ozs compared to Goodyear Fuelmax D, Continental Ecoplus HD3, Michelin X-Line Energy D2, Pirelli TH:01 in 315/70 R 22.5 size. Report number: 713136052-7_1.
Already proven with over 11 fleets, 137 vehicles and over 14,687,640 kilometres

ECOPIA H002 tested for 18 months in long haul operations between Poland and Western/Eastern Europe.

ECOPIA H002 tested for 18 months in long haul operations between Portugal and the rest of Europe.

“We have to say that we are really satisfied with the new ECOPIA tyres. They actually generated significant fuel savings at the same time as delivering a long life. Continuity during winter conditions was also important. We will now fit our remaining long haul trucks with ECOPIA H002.”

Dawid Sachs, Technical Manager SACHS TRANS

“We were most impressed with the excellent reduction in fuel consumption without compromising any of the other key performance areas. The ECOPIA H002 tyres gave great adherence and traction in diverse atmospheric conditions, great durability and mileage.”

José Santos, Technical Director PATINTER SA

1.1 l/100 km lower fuel consumption compared with previous generation.

€ 234,000/yr savings on fuel cost for an average long haul fleet.

546 tonnes/yr reduced CO₂ emissions for a better carbon footprint.

1: Based on internal field evaluation. Status April 2018.

2: Based on calculations with the VECTO tool for a 4x2 tractor and trailer combination with ECOPIA H002 315/70 R 22.5 steer and drive, and 385/55 R 22.5 trailer tyres compared with the same unit fitted and under same conditions with previous generation ECOPIA H001 tyres. Please note that actual savings may vary as they depend heavily on other factors.

3: Financial savings and CO₂ reduction projected for an entire fleet based on the following assumptions: fleet size of 150 tractors and 150 trailers, 130,000 km annual mileage per truck, diesel price € 1.2/l.
AHEAD OF THE COMPETITION

TÜV SÜD test results: ECOPIA H002 outperforms its competitors for wet traction

<table>
<thead>
<tr>
<th>Brand</th>
<th>Wet Hill Climb</th>
<th>Mean Acceleration Time (0-60m)</th>
<th>Repetitions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridgestone ECOPIA H-DRIVE 002</td>
<td>16.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continental ECOPLUS HD3</td>
<td>18.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pirelli TH:01</td>
<td>18.3</td>
<td></td>
<td></td>
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<tr>
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<td>21.2</td>
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<tr>
<td>Goodyear FUELMAX D</td>
<td>21.7</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Wet hill climb, relative performance (ranked), Bridgestone ECOPIA H-DRIVE 002 = 100%

1: Test carried out by TÜV SÜD at the request of Bridgestone in June 2018 at ADAC proving ground in Hockenheim (D). Bridgestone ECOPIA H-DRIVE 002 compared to Goodyear Fuelmax D, Continental Ecoplus HD3, Michelin X-Line Energy D2, Pirelli TH:01 in 315/70 R 22.5 size. Report number: 713136052-7_1.

BEST CLIMB ON GRADIENT

Acceleration time (seconds) over a distance of 60m from standstill on a 0° to 7° gradient:

<table>
<thead>
<tr>
<th>Brand</th>
<th>Acceleration Time (seconds) from standstill on a gradient of 7° up to 15 metres:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridgestone ECOPIA H-DRIVE 002</td>
<td>16.6</td>
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BEST STOP & GO ON GRADIENT

Acceleration time (seconds) from standstill on a gradient of 7° up to 15 metres:

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<tr>
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</thead>
<tbody>
<tr>
<td>Bridgestone ECOPIA H-DRIVE 002</td>
<td>6.8</td>
</tr>
<tr>
<td>Continental ECOPLUS HD3</td>
<td>7.3</td>
</tr>
<tr>
<td>Pirelli TH:01</td>
<td>8.6</td>
</tr>
<tr>
<td>Michelin X-LINE ENERGY D2</td>
<td>8.6</td>
</tr>
<tr>
<td>Goodyear FUELMAX D</td>
<td>9.2</td>
</tr>
</tbody>
</table>

X: failed to climb up
1. **SMART PATTERN CONCEPT**

“INNOVATIVE PATTERN DESIGN IMPROVES ROLLING RESISTANCE AND WET GRIP”

- **LOW PATTERN DEFORMATION**
  - Optimised compression stiffness minimises deformation and energy losses.

- **HIGH EFFECTIVE CONTACT AREA**
  - Higher effective contact area with optimised water drainage for better wet grip.

2. **HI-TECH COMPOUNDS**

“LATEST COMPOUND AND MIXING TECHNOLOGIES FOR STRIKING THE RIGHT BALANCE BETWEEN ROLLING RESISTANCE, WET GRIP AND WEAR”

- **REDUCED ENERGY LOSSES**
  - NanoPro-Tech™ cap compound with nano-selective reactions and new base and bead filler materials to reduce rolling resistance.

- **EXTRA WET GRIP**
  - High Silica cap compound and new mixing technologies for the ECOPIA H-DRIVE 002 to boost wet grip over entire tyre life.

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SUPPORTING TECHNOLOGIES

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OPTIMISED DESIGNS

“OPTIMISED IN EVERY DETAIL TO MAKE A DIFFERENCE”

1 High number of full-depth sipes improves grip and gives safe operation all year long.

2 Stone ejectors in centre grooves increase casing resistance.

3 Slim bead and slim buttress reduce tyre weight and rolling resistance.

4 Wider shoulder lugs enhance traction and improve water drainage from the centre.

5 Optimum void distribution improves water drainage and reduces braking distance in wet conditions.

6 Wide tread width and optimised tread depth improve compression stiffness and cornering power for lower rolling resistance and better mileage.

PRODUCT LINE-UP

Product line-up at November 2018. Visit your local Bridgestone website for latest line-up information.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>FUEL EFFICIENCY</th>
<th>WET GRIP</th>
<th>WINTER READY</th>
</tr>
</thead>
<tbody>
<tr>
<td>315/70 R 22.5</td>
<td>A B</td>
<td>68</td>
<td></td>
</tr>
<tr>
<td>315/80 R 22.5</td>
<td>B B</td>
<td>69</td>
<td></td>
</tr>
<tr>
<td>385/55 R 22.5</td>
<td>A B</td>
<td>71</td>
<td></td>
</tr>
<tr>
<td>315/70 R 22.5</td>
<td>A B</td>
<td>72</td>
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ADDITIONAL BRIDGESTONE SOLUTIONS

Optimise your tyre management and fleet operations

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**Extend your tyres’ life with Bandag retreads**

Bandag FUELTECH H-DRIVE 002, FUELTECH H-TRAILER 002 retreads extend the life of your valuable tyre casings and also improve fuel efficiency.¹

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**Maximise fuel savings and reduce fleet costs with the Bridgestone tyre monitoring system**

The annual average savings for a typical tractor-trailer combination running at the correct tyre pressure are up to € 500 in fuel consumption, € 200 in tyre costs and € 400 in breakdown costs. The cost of installing a Bridgestone tyre monitoring system is paid back within one year!

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**Contact us for your customised Total Tyre Care solution**

We examine your fleet and develop the most appropriate customised total tyre care solution for your needs. Our commitment is to reduce your total tyre budget without any compromise on safety, and more...

Contact us for a first exploratory visit.
www.bridgestone.eu

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1: Based on internal rolling resistance test results versus Bandag M749 FUELTECH and Bandag R109 FUELTECH products
2: Based on internal field evaluation and tests conducted with Bridgestone’s research and development facilities

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