

Working smarter with your trailer tyres – FAQs



TPMS + cellular connectivity + artificial intelligence = TyreWatch predictive tyre management

Frequently Asked Questions



Will TyreWatch TrailerSmart work with every type of tyre?

Yes, we recognise you will run different tyre brands across your fleet of trailers. TyreWatch TrailerSmart can work with every brand and size of tyre – whether they are already fitted, new tyres or retread tyres. This maximises your flexibility to use the tyre brands of your choice.

Will the sensors need replacing when I change my tyres?

No, depending on application the sensors are either mounted inside the tyre by a secure band attached to the wheel rim, or externally as valve dust caps. This means TyreWatch sensors are not affected by the process of fitting new tyres. The sensors are designed to last three to five years, which is the lifespan of their internal batteries.

Will I need to program TyreWatch when I change a tyre?

If you remount the same wheel/valve dust cap to the same position there is no need to reprogram the sensor map on the TyreWatch server. This saves valuable administration time compared to some technologies where the sensor is mounted to the tyre.

Will TyreWatch TrailerSmart improve road safety for my fleet?

Yes, TyreWatch TrailerSmart will significantly reduce the incidence of avoidable tyre failure – improving road safety for everyone. The Department of Transport advise that 40% of HGV accidents are due to tyre failure.

Where will TyreWatch TrailerSmart monitor my tyres?

TyreWatch TrailerSmart is designed to work with your trailers for their entire journey. The sensors communicate with the controller mounted in the trailer which then transmits tyre data to the TyreWatch server using cellular connectivity. This enables TyreWatch to detect issues where they're likely to happen – on the road whilst the trailer is working. Naturally, it also works in your depots to assist with routine maintenance.

Can TyreWatch TrailerSmart be used with trailers carrying dangerous goods?

Yes, TyreWatch TrailerSmart can be used with tankers and trailers carrying dangerous goods. The trailer control unit is enclosed in an ATEX compliant enclosure, which does not affect its performance in any way.

How will I know if there is a problem with my tyres?

The TyreWatch server analyses your tyre data every minute and uses Artificial Intelligence to accurately identify trends relating to tyre issues. These are communicated in real-time to your fleet management office and your tyre service provider so co-ordinated action can be provided. TyreWatch TrailerSmart is proven to detect issues before they escalate – saving tyres, unexpected downtime and the cost of roadside breakdowns. Customers report that TyreWatch prevents 95% of tyre-related breakdowns compared with pre-installation statistics.

Will TyreWatch TrailerSmart identify routine maintenance requirements?

Yes, the TyreWatch server holds a real-time pressure report for all the tyres in your trailer fleet. This enables your maintenance team and tyre service provider to correct the pressures only in those tyres needing attention – saving time and money. We call this digital servicing by exception.

TyreWatch's trend analysis will report any slow punctures with a prediction of the time to critical. This enables your tyre service provider to safely repair the tyre in scheduled downtime.

Additionally, TyreWatch can report mechanical repairs. For instance, should two tyres on the same axle have correct pressures but one is running hotter than other, it could indicate a mechanical defect – such as a binding brake or uneven weight distribution.



Can I use my existing telematics platform to pick up trailer tyre data?

Yes, TyreWatch TrailerSmart can connect with your existing telematics platform to display trailer tyre information.

Will TyreWatch TrailerSmart save me money?

Yes, TyreWatch TrailerSmart will make a positive return on your investment. According to research 20% of HGV tyres are under-inflated by 10%. This accelerates tyre wear by 10% and increases HGV tractor fuel consumption by 1% wasting fuel unnecessarily. A further 5% of HGV tyres are under-inflated by 20%, which increases these to 30% and 2% respectively.

TyreWatch TrailerSmart is proven to help keep your tyres at the correct pressure – so you will reduce rolling resistance, maximising the service life of your tyres and minimising fuel consumption. Critically, this will optimise the handling, braking and stability of the vehicles in your fleet. It will also reduce your carbon emissions, helping your contribution to the environment.

Where is my TyreWatch TrailerSmart data used?

We value the tyre data we collect from your trailers and use it to provide unbiased analytics on tyre performance. This is used for the benefit of your fleet and for us to improve TyreWatch technology. As an independent company we are free of any manufacturer bias, which ensures we provide impartial reports on tyre performance across your fleet.

How secure is my TyreWatch TrailerSmart data?

We take responsibility for your data very seriously. We employ sophisticated security protocols and will only share your tyre data and appropriate business data with your tyre service or vehicle maintenance providers.

Where can I get TyreWatch fitted?

We have a nationwide network of approved installers.



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