Case Study – Agriculture

Problem

Willem Van Beale runs a 750 acre farm in Bedfordshire, UK. The farm is mostly arable; the ground heavy clay. The farm machinery used suffers about 15 punctures a year, with trailers and towed machinery experiencing 90% of the problems.

Which tyres to protect?

While the large tractors were relatively immune from punctures, towed machinery was affected, along with Land Rovers and Quad bikes. Puncturesseal therefore recommended the treatment of only those tyres that suffered the majority of problems.

Treatment process

The treatment process for each type of tyre is similar. Firstly, the size of the tyre determines how much product to install. The Puncturesseal tyre charts provide dosage information for all tyre sizes. The product was installed in the first instance by a Puncturesseal operative, but Will took over on the third tyre and completed the remaining installations. Installation for the Land rover took 15 minutes, each of three 10 tonne grain trailers with 4 wheels per trailer took 15 minutes per appliance.

Costs of a puncture

We asked Will about the cost and inconvenience of a puncture, which clearly has more impact in busy times like sowing, spraying and harvest. His response was :

1. 2 hours to replace a trailer tyre in the field. Labour cost plus lost production.
2. A further 3 hours driving into town to get the tyre fixed or replaced, with associated costs.

Incident rate of punctures before Puncturesseal

15 punctures a year across all equipment

Incident rate of punctures after Puncturesseal

Zero punctures on any Puncturesseal treated tyres

“I used to have to carry two spare tyres for the Landy I haven’t had to change one since Puncturesseal went in six months ago.” says Will, “£500 spent (£20 a tyre on average) has saved me so much downtime across the fleet. We didn’t have a single puncture over harvest. I recommend Puncturesseal to any farmer who doesn’t want stoppages to fix tyres.”