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Assessing the potential cost savings of introducing the maintenance option of 'Economic Tyre Turning' in Great Britain railway wheelsets

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Highlights:

- Statistical models assess wear, damage and maintenance impact in railway wheelsets;
- Savings of ETT in maintenance of wheelsets are assessed using a LCC model;
- A Monte Carlo procedure samples from statistical models and feeds the LCC model;
- Fixed and Random Effects are controlled in the Monte Carlo simulation procedure;
- ETT may provide savings of around 0.8-4.4% or 2.0-4.7% against other strategies.

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