

# AUSTRALIAN TYRE CONSUMPTION AND RECOVERY



Registered vehicles

20M+

Approx. tyres in use

85M+

## Australia's love of driving

Australia is the sixth largest and one of the most sparsely populated countries in the world. These factors contribute to placing Australia in the top 10 countries for vehicles per capita with over 20 million registered vehicles and 85 million tyres in use.

Since the last tyre manufacturer ceased operating locally in 2010, Australia's need for tyres has been supported by importing new tyres, loose or on vehicles, supplemented by local retread of truck tyres.

## Tyre consumption, waste, and recovery\*

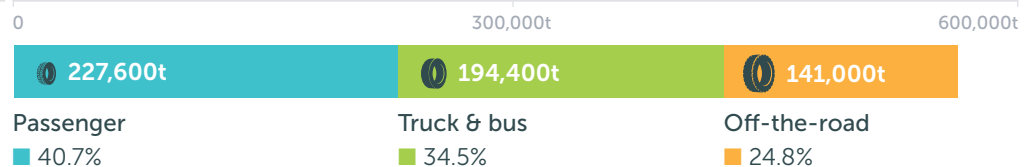
Australia generates on average around 459,000 tonnes of waste tyres annually and recovers around 70% for use in domestic and international markets.

The objective of the Scheme is to increase recovery and recycling of waste tyres and develop Australia's tyre recycling industry and markets for tyre-derived products while minimising the environmental, health and safety impacts.

The recovery of waste tyres within Australia is supported by the National Tyre Product Stewardship Scheme, administered by Tyre Stewardship Australia (TSA).

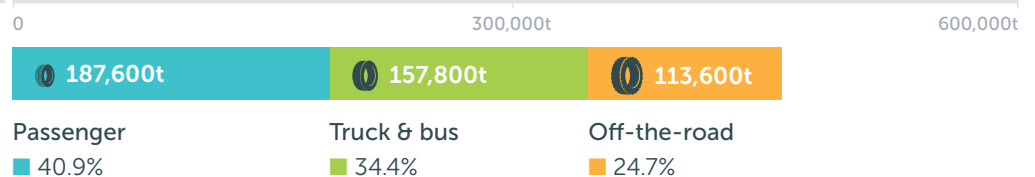
### Consumption of new tyres Tyre consumption: 563,000 tonnes

Australians purchase on average around 563,000 tonnes of new tyres annually.



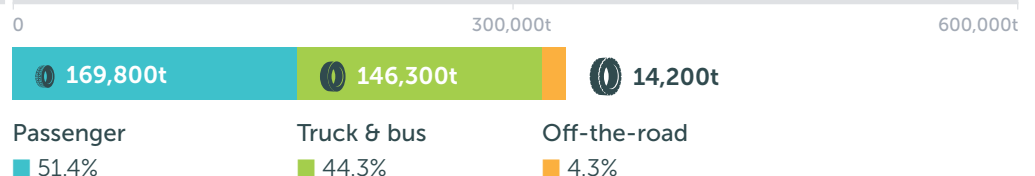
### Generation of waste tyres Tyre waste generated: 459,000 tonnes

Australia generates on average around 459,000 tonnes of waste tyres annually to be recovered for beneficial use or disposal.



### Recovery of waste tyres Tyre waste recovered: 330,300 tonnes

Australia recovers on average around 330,300 tonnes of waste tyres annually. This is approximately 70% of the waste tyres generated.



\* Information presented represents a five-year average for tyre consumption and waste and three-year average for tyre recovery and disposal. Consumption refers to the net import and export of new and used tyres to and from Australia.

## Recovery and disposal of waste tyres

Australia's tyre recovery industry includes businesses involved in the recovery and sale of waste tyres for reuse (including retread or repair), processed into tyre derived products (TDP) including tyre derived fuel for embodied energy (energy recovery), or for use in thermal processing and other emerging technologies.

Australia recovers on average around 330,000 tonnes of waste tyres annually or 70%. While recovery is moderately high, Australia continues to dispose of around 142,000 tonnes of waste tyres each year into licensed landfills, buried on-site where permitted, dumped into the environment, or illegally stockpiled.

Tyres recovered: 330,300 tonnes

Not recovered: 142,600 tonnes



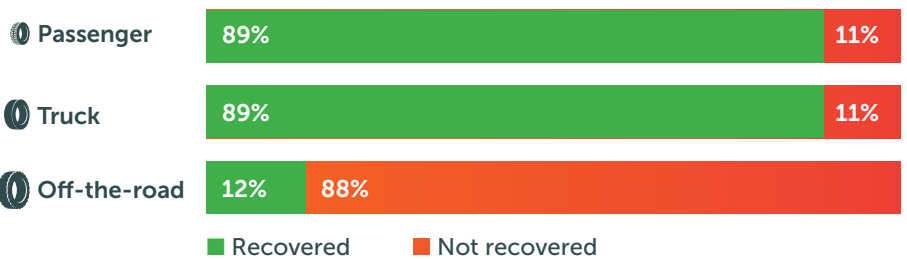
## Recovery and disposal by tyre type

Australia recovers the majority of passenger and truck tyres with an average of around 89%. This contrasts to off-the road (OTR) tyres which lags at a low average of 12%.

### Off-the-road tyres

Despite having quality rubber, factors currently contributing to the low recovery of OTR tyres include the size and structural features - such as large beads, and the sectors in which they are used - such as mining and agriculture. These features make them more difficult to handle and process and lend themselves to being left on land or buried where permissible by regulation.

## Waste tyres recovery rate by type

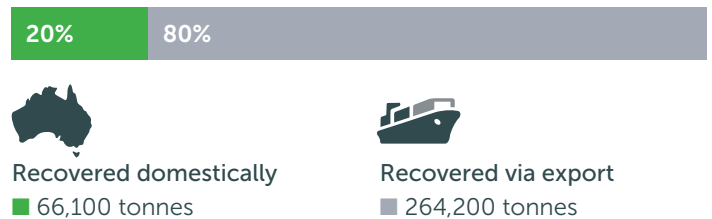


## Domestic and international markets for used tyres and tyre-derived products

The markets for tyre derived products can be separated into international (export) and domestic with the international market currently representing majority of the market at around 80%.

An export ban on whole and baled tyres was implemented in December 2021 which may impact future volumes being exported to international markets. The full effect of the ban to be revealed over time.

Waste tyres recovered: 336,000 tonnes



## TSA Levy-paying tyre importers and autobrands



The National Waste Policy Action Plan 2019: In December 2018, the 2018 National Waste Policy: Less waste, more resources was agreed by Australia's Environment Ministers setting a new unified direction for waste and recycling in Australia. The National Action Plan presents targets and actions to implement the 2018 National Waste Policy which includes a target of 80% average resource recovery rate from all waste streams following the waste hierarchy by 2030.

Data sources used in the compilation of this information sheet: *Australian Tyre consumption and recovery* include: *Motor Vehicle Census, Australia*, and *End-of-life tyres supply chain and fate analysis*, TSA unpublished.

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