

PLANT AND SPV INSPECTIONS

Overall, in the NHVR Roadworthiness Survey, 950 plant and special purpose vehicles (SPVs) were inspected.

The majority of plant and SPVs were intercepted in the same jurisdiction to which they were registered.

The average age of plant and SPVs on Australian roads is 10.7 years, with a median mileage slightly under 73,000 km.

OVERVIEW OF NON-CONFORMITIES

20% of plant and SPVs inspected had **at least one non-conformity**, which is an increase from the level of non-conformity seen in 2021 (13%). The incidence of non-conformity remains well below 2016 levels.

The majority of non-conformities were given at most a **minor defect notice** (i.e. the continued use of the vehicle on road poses a safety risk, but the risk is not deemed as imminent or serious). The highest level of non-conformity was minor for 12% of units.

The second highest level of non-conformity was a **self-clearing defect** for 5% of plant and SPVs, which has remained stable from 6% in 2021. 'Self-clearing' refers to a non-conformity where the use of the vehicle on road does not pose a safety risk.

Overall, **85% of plant and SPVs passed inspection** (i.e. the highest level of non-conformity was a self-clearing defect or the unit had no defect). This is a decrease from 93% in 2021.

Plant and SPVs inspected in the state they were registered in were compliant 79% of the time, while interstate inspections were compliant 85% of the time.

AREAS OF NON-CONFORMITY

The most common non-conformity for plant and SPVs in Australia is *lights & reflectors*. Engine driveline & exhaust and structure & body are also in the top 3 most common areas of non-conformity. These are the top 3 in both metro and regional Australia.

Non-conformity has increased across most areas, with the exception of engine driveline & exhaust in regional Australia, which has remained stable with 2021.

NON-CONFORMITY BY JURISDICTION

Incidence of non-conformity in plant and SPVs has **increased** for inspections in Victoria (VIC) and in metro South Australia (SA). Despite the increase, non-conformity remains below 2016 levels in these jurisdictions. The highest incidence of non-conformity occurs across New South Wales (NSW).

Non-conformity in plant and SPVs inspected in the Australian Capital Territory (ACT) has decreased since 2021.

00:24

Average inspection time

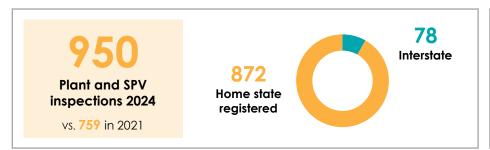
00:15
Median inspection time



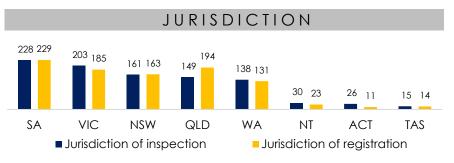


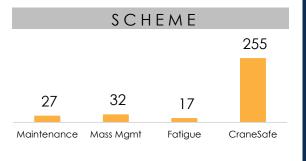
OVERVIEW — ALL PLANT AND SPVS (POWERED AND TRAILERS)

- 20% of plant and SPVs inspected nationally had at least one non-conformity.
- 92% of plant and SPVs were inspected in their state of registration.





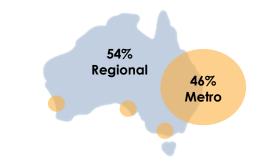


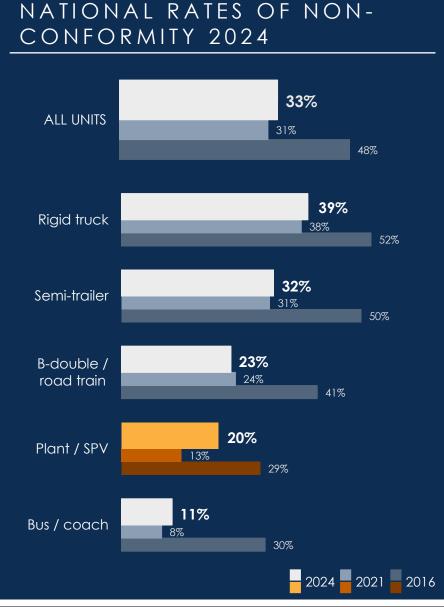


(d) 72,992 km

Median mileage (of powered plant and SPV units)



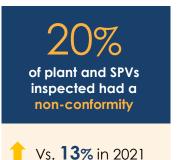


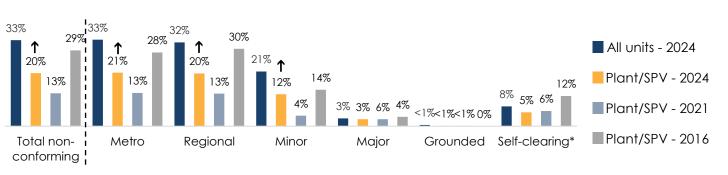




OVERVIEW OF NON-CONFORMITIES — ALL PLANT AND SPVS (POWERED AND TRAILERS)

- The incidence of non-conformity overall in plant and SPVs has increased from 2021, having increased by 7 percentage points (from 13% to 20%). This is consistent across metro and regional inspections.
- This is driven by a significant increase in minor non-conformities (from 4% to 12%) while other levels of nonconformity remained stable.





	NON-CONFORMITIES			HIGHEST LEVEL OF NON-CONFORMITY				PASS
	Non-conforming units	Multiple non- conformities	Individual non-conformities	Self-clearing*	Minor	Major	 Grounded	Unit passed^ inspection
All units - 2024	4,054	3,668	11,563	955	2,601	438	60	11,263
% of units (n=14,362)	33%	27%	 	8%	21%	3%	<1%	75%
Plant/SPV - 2024	180	114	105	56	106	17	1	845
% of units (n=969)	20% ↑	14% ↑	 	5%	12% ↑	3%	<1%	85% ↓
Plant/SPV - 2021	135	81	227	38	79	16	2	686
% of units (n=783)	13%	7 %	i I	6%	4%	3%	<1%	93%
Plant/SPV - 2016	202	101	224	79	105	19	0	527
% of units (n=651)	29%	16%	 	12%	14%	4%	0%	82%
Home state inspection	170	108	99	51	101	17	1	770
% of units (n=889)	21%	14%	 	5%	13%	3%	<1%	84%
Interstate inspection	10	6	6	5	5	0	0	75
% of units (n=80)	15%	8%	 	8%	7 %	0%	0%	93%



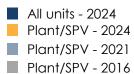
Note: Counts (n) are reported unweighted, percentages (%) are weighted.

^{*&#}x27;Self-clearing defect' was known as 'Formal warning' in 2016. For analysis purposes, the two have been combined and compared.

[^]A unit passes inspection if the highest level of non-conformity is self-clearing.

AREAS OF NON-CONFORMITY — ALL PLANT AND SPVS (POWERED AND TRAILERS)

- The most common non-conformity among plant and SPVs overall and across regional Australia is *lights and reflectors*, which saw an increase in non-conformity in 2024.
- The three most common areas of non-conformity for plant and SPVs have increased from 2021 levels. The only exception is engine driveline and exhaust in regional Australia which remained stable with 2021 and 2016 levels.



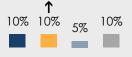
TOP 3 — TOTAL

1



Lights & reflectors

10% non-conforming Increase from 5% in 2021



Top 3 reasons for refusal in **lights & reflectors**

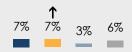
- Light not operating, damaged, loose or wrong colour
- Reflectors are damaged, obscured, deteriorated, missing or in the wrong location
- Lenses or reflectors loose, damaged or wrong colour

2



Engine driveline & exhaust

7% non-conforming Increase from 3% in 2021



Top 3 reasons for refusal in engine driveline & exhaust

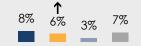
- Oil leaks
- Fuel leak
- Exhaust system leaks

3



Structure & body

6% non-conforming Increase from 3% in 2021



Top 3 reasons for refusal in structure and body

- Rear marking plates are faded, damaged or incorrectly fitted
- · Chassis/frame damage or rust
- Mudguards are not properly fitted

TOP 3 — METRO



Engine driveline & exhaust

9% non-conforming Increase from 3% in 2021



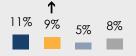
Top 3 reasons for refusal in engine driveline & exhaust

- Oil leaks
- Fuel leak
- Exhaust system leaks



Lights & reflectors

9% non-conforming Increase from 5% in 2021



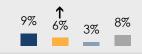
Top 3 reasons for refusal in lights & reflectors

- · Light not operating, damaged, loose or wrong colour
- Reflectors are damaged, obscured, deteriorated, missing or in the wrong location
- Headlight does not project white light



Structure & body

6% non-conforming Increase from 3% in 2021



Top 3 reasons for refusal in **structure and body**

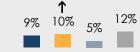
- Rear marking plates are faded, damaged or incorrectly fitted
- Obscured number plates
- · Mudguards are not properly fitted

TOP 3 — REGIONAL



Lights & reflectors

10% non-conforming Increase from 5% in 2021



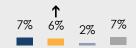
Top 3 reasons for refusal in **lights & reflectors**

- · Light not operating, damaged, loose or wrong colour
- Reflectors are damaged, obscured, deteriorated, missing or in the wrong location
- Lenses or reflectors loose, damaged or wrong colour



Structure & body

6% non-conforming Increase from 2% in 2021



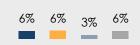
Top 3 reasons for refusal in **structure and body**

- Rear marking plates are faded, damaged or incorrectly fitted
- Chassis/frame damage or rust
- Mudguards are not properly fitted



Engine driveline & exhaust

6% non-conforming Stable with 3% in 2021



Top 3 reasons for refusal in **engine driveline & exhaust**

- Oil leaks
- Exhaust system leaks
- Loose, damaged or missing engine or driveline components



AREAS OF NON-CONFORMITY SUMMARY — ALL PLANT AND SPVS (POWERED AND TRAILERS)

• Among plant and SPVs, the incidence of non-conformity has increased for structure & body, lights & reflectors, steering & suspension, wheels & hubs, and engine driveline & exhaust. All other greas have remained stable with 2021.

AREAS OF NON-CONFORMITY (ATA) Wheels and hubs Engine driveline & Steering & Seats and Lights and Windscreen & Structure Mirrors Coupling **Trailers Brakes** seatbelts reflectors windows suspension exhaust All units - 2024 1,907 % of units (n=14,362)8% 4% 14% 6% 4% 2% 10% <1% 1% <1% 7% Plant/SPV - 2024 56 13 86 6 15 0 43 31 20 66 1% 5% % of units (n=969) **6%** 1 1% **10%** ↑ 2% 0% <1% 3% ↑ **2%** 1 **7%** 1 Plant/SPV - 2021 43 7 51 11 0 35 12 54 % of units (n=783) 3% 1% 5% <1% 1% 0% 4% 2% 1% 3% 0% Plant/SPV - 2016 56 21 73 3 17 0 55 57 26 47 % of units (n=651) 7% 3% 10% <1% 2% 0% 7% 9% 5% 6% Home state inspection 53 11 81 14 0 30 19 % of units (n=889) 6% 1% 1% 2% <1% 6% 4% 2% 8% 10% 0% 0 Interstate inspection 3 2 5 0 0 % of units (n=80) 4% 2% 8% 1% 1% 0% 0% 0% 2% 1% 3%



