

RIGID TRUCK INSPECTIONS

Overall, in the NHVR Roadworthiness Survey, 3,975 rigid trucks and combinations were inspected, containing a total of 4,488 units.

The majority of rigid trucks were intercepted in the same jurisdiction to which they were registered.

The average age of rigid trucks on Australian roads is 10.9 years, with a median mileage of just over 290,000 km.

OVERVIEW OF NON-CONFORMITIES

39% of rigid truck units inspected had **at least one non-conformity**, which is stable with 38% in 2021. 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 26% of units.

There has been a slight increase in the incidence of highest level of non-conformity being a **self-clearing defect** from 7% to 9%. 'Self-clearing' refers to a non-conformity where the use of the vehicle on road does not pose a safety risk.

Overall, **70% of rigid trucks passed inspection** (i.e. the highest level of non-conformity was a self-clearing defect or the unit had no defect). This remains stable from 69% in 2021.

Non-conformity **did not differ greatly** between rigid trucks inspected in their state of registration and those inspected interstate (40% and 36%, respectively).

AREAS OF NON-CONFORMITY

The most common non-conformity among rigid trucks overall and for metro locations is *lights and reflectors*, while *brakes* was the most common non-conformity in regional areas. *Structure & body was also* in the top 3 most common in both metro and regional locations.

Non-conformity has remained consistent across most areas, except for structure and body, seats and seatbelts and engine driveline and exhaust which have increased.

NON-CONFORMITY BY JURISDICTION

Incidence of non-conformity in rigid truck units has **decreased** in Queensland (QLD), South Australia (SA), Tasmania (TAS) and the Australian Capital Territory (ACT) since 2021.

The highest incidence of non-conformity now occurs in Victoria (VIC) (48%), having increased significantly in both metro and regional VIC since 2021.

The incidence of non-conformity in most jurisdictions remains below 2016 levels, except for SA which is on par.

00:28

Average inspection time

00:18

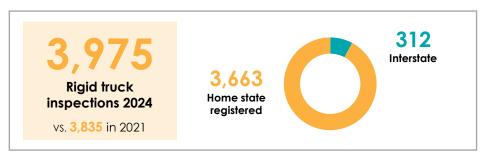
Median inspection time

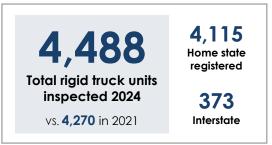


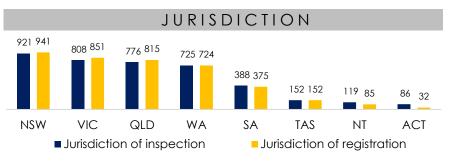


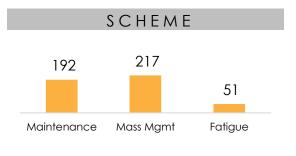
OVERVIEW — ALL RIGID TRUCK UNITS (POWERED AND TRAILERS)

- 39% of rigid trucks inspected nationally had at least one non-conformity. This was the vehicle type with the highest rates of non-conformity.
- The majority of rigid trucks were inspected in their state of registration.









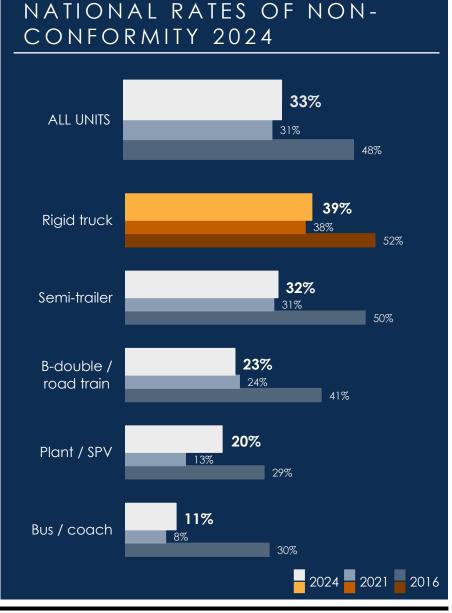
(7) 290,363km

Median mileage (of powered rigid truck unit)



Average age of rigid trucks





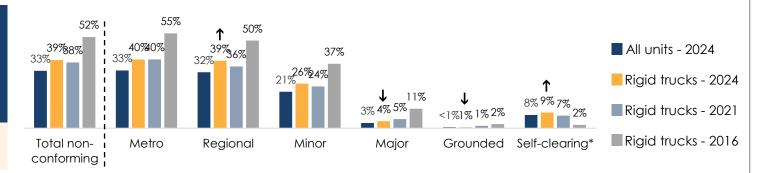


OVERVIEW OF NON-CONFORMITIES — ALL RIGID TRUCK UNITS (POWERED AND TRAILERS)

- The incidence of non-conformity overall in rigid trucks has remained stable since 2021, having increased by 1 percentage point (from 38% to 39%). Non-conformity increased in regional inspections of rigid trucks.
- The incidence of major and grounded non-conformities has decreased, while self-clearing has increased.



Vs. **38%** in 2021



r C T	NON-	CONFORM	ITIES	HIGHEST	LEVEL OF	NON-CON	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%	
Rigid trucks - 2024	1,700	1,184	8,039	394	1,095	187	1 ! 24	3,182	
% of units (n=4,488)	39 %	28% ↑		9% ↑	26 %	4%↓	1%↓	70%	
Rigid trucks - 2021	1,618	966	5,861	315	1,025	223	55	2,967	
% of units (n=4,270)	38%	23%		7 %	24%	5%	1%	69%	
Rigid trucks - 2016	1,803	1,117	I 7,116	87	1,263	l 1 379	74	1,853	
% of units (n=3,569)	52%	33%		2%	37%	11%	2%	49%	
Home state inspection	1,570	1,097	7,407	359	1,008	180	23	2,904	
% of units (n=4,115)	40 %	28%	 	9%	26 %	4%	1%	69%	
Interstate inspection	130	87	632	35	87	7 	 	278	
% of units (n=373)	36%	25%		9%	25%	2 %	<1%	73%	



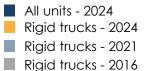
Note: Counts (n) are reported unweighted, percentages (%) are weighted.

^{*&#}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 RIGID TRUCK UNITS (POWERED AND TRAILERS)

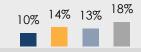
- The most common non-conformity among rigid trucks overall and for metro locations is *lights and reflectors*, while brakes was the most common non-conformity in regional areas.
- Most of the top areas of non-conformity in rigid trucks are slightly above the national average of all units.



TOP 3 — TOTAL

Lights & reflectors

14% non-conforming Stable with 13% in 2021



Top 3 reasons for refusal in lights and reflectors

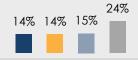
- · Light not operating, damaged, loose or wrong colour
- Reflectors are damaged, obscured, deteriorated, missing or in the wrong location
- Lenses or reflectors loose, damaged or wrong colour

2



Brakes

14% non-conforming Stable with 15% in 2021



Top 3 reasons for refusal in **brakes**

- Brake imbalance across an axle
- · Incorrectly adjusted brakes
- Poor service brake performance

3



Structure & body

11% non-conforming Increase from 9% in 2021



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

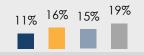
- Rear marking plates are faded, damaged or incorrectly fitted
- Chassis/frame damage or rust
- Fastenings between frame members, including welds, are missing, loose, distorted or cracked

TOP 3 — METRO



Lights & reflectors

16% non-conforming Stable with 15% in 2021



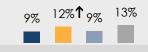
Top 3 reasons for refusal in lights and reflectors

- · 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



Engine driveline & exhaust

12% non-conforming Increase from 9% in 2021



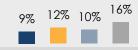
Top 3 reasons for refusal in engine, driveline and exhaust

- Oil leaks
- Exhaust system leaks
- Fuel leak



Structure & body

12% non-conforming Stable with 10% in 2021



Top 3 reasons for refusal in structure and body

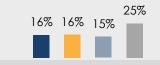
- Rear marking plates are faded, damaged or incorrectly fitted
- Chassis/frame damage or rust
- Fastenings between frame members, including welds, are missing, loose, distorted or cracked

TOP 3 — REGIONAL



Brakes

16% non-conforming Stable with 15% in 2021



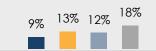
Top 3 reasons for refusal in **brakes**

- Brake imbalance across an axle
- Incorrectly adjusted brakes
- Poor service brake performance



Lights & reflectors

13% non-conforming Stable with 12% in 2021



Top 3 reasons for refusal in **lights and 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

10% non-conforming Increase from 7% 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
- Fastenings between frame members, including welds, are missing, loose, distorted or cracked



AREAS OF NON-CONFORMITY SUMMARY — ALL RIGID TRUCK UNITS (POWERED AND TRAILERS)

• Among rigid trucks, the incidence of non-conformity in structure & body, seats & seatbelts and engine, driveline & exhaust has increased since 2021. All other areas have remained stable.

	AREAS OF NON-CONFORMITY										
	Structure	Seats and seatbelts	Lights and reflectors	Mirrors	Windscreen & windows	Coupling	Trailers	Brakes	Steering & suspension	Wheels and hubs	Engine driveline & exhaust
All units - 2024	856	238	1,057	42	436	154	42	1,907	638	487	752
% of units (n=14,362)	8%	2%	10%	<1%	4%	1%	<1%	14%	6%	4%	7%
Rigid trucks - 2024	468	166	609	30	234	73	10	599	316	221	446
% of units (n=4,488)	11% 🕇	4% ↑	14%	1%	6%	2%	<1%	14%	8%	5%	11%↑
Rigid trucks - 2021	379	104	559	19	210	63	20	627	381	186	388
% of units (n=4,270)	9%	2%	13%	<1%	5%	1%	<1%	15%	8%	5%	9 %
Rigid trucks - 2016	461	186	597	22	216	91	-	826	642	267	421
% of units (n=3,569)	14%	5%	18%	1%	6%	3%	-	24%	19%	8%	13%
Home state inspection	444	159	572	30	209	67	8	553	297	199	418
% of units (n=4,115)	11%	4%	15%	1%	5%	2%	<1%	14%	8%	5%	11%
Interstate inspection	24	7	37	0	25	6	2	46	19	22	28
% of units (n=373)	8%	2%	11%	0%	9%	1%	1%	13%	6%	5%	8%



