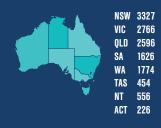
## NATIONAL ROADWORTHINESS SURVEY 2021 SNAPSHOT

NATIONAL HEAVY VEHICLE REGULATOR

## A HEALTH CHECK OF AUSTRALIA'S HEAVY VEHICLE FLEET

The National Roadworthiness Survey 2021 (NRS:2021) was successfully coordinated by the NHVR from 5 May to 28 July 2021 with the final report released in December 2021.





This is the second national survey of its type following the NVHR's National Roadworthiness Baseline Survey conducted in 2016.

It was conducted by authorised officers and transport inspectors from every Australian state, inspecting 8338 vehicle combinations, consisting of 13,325 units. This was a 20 per cent increase on the number of units inspected in 2016.

During NRS:2021 officers assessed a range of vehicle types, including rigid trucks, semi-trailers, B-doubles, road trains, buses and special purpose vehicles (SPV). Each vehicle and combination were inspected at roadside check points, while some vehicle types were inspected in depots.

Each vehicle was subject to a comprehensive visual inspection and a roller brake test, based on the National Heavy Vehicle Inspection Manual (NHVIM). Integration of registration data, roadside data capture technology, co-ordinated inspection methodologies and a team approach reduced average inspection times to 31 minutes in 2021 from 45 minutes in 2016 equating to 2000 hours productivity gain.

The results of NRS:2021 showed a significant improvement in the roadworthiness of the Australian heavy vehicle fleet.

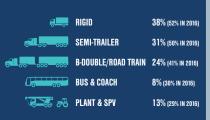
The NHVR is committed to the National Heavy Vehicle Roadworthiness program, which was established in late 2014 to drive safety and efficiency improvements to the mechanical condition of Australia's heavy vehicle fleet.

The NHVR thanks all authorised officers, from our own organisation and from transport agencies across Australia, for their assistance in conducting the survey, particularly with constantly changing operating conditions due to local COVID restrictions.



8338 VEHICLES AND COMBINATIONS INSPECTED (7130 IN 2016)

## **VEHICLE TYPES**





The data collected from NRS:2021 again highlighted a strong correlation between the age of a unit and the incidence of non-conformity.

For example, freight hauling units showed the greatest increase with age (from 14% for 0<3 years up to 53% for 12+ years age). While there has been a decrease in the level of non-conformity across each age group since 2016, the fact remains that older vehicles are more likely to have defects.

The NHVR is committed to continuing to promote fleet renewal programs, such as Heavy Vehicle Safety and Environmental Technology Uptake Plan (SETUP) and further Performance Based Standards (PBS) vehicles.



