

Performance-Based Standards (PBS) Vehicle Approval

Heavy Vehicle National Law Section 23

Heavy Vehicle (General) National Regulation Section 17

This is not an authorisation to access the road network.
You must comply with the relevant Notice or if required, obtain an access permit.

30 October 2019

Ref No: PBS – V190814 – VA7016 –

This PBS Vehicle Approval modifies any previously issued approval for the vehicle(s) listed herein operating under Application Number V190814.

Applicant details	Operator
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Application Number	V190814	Vehicle	4-axle truck 5-axle dog
Load	Quarry and Bulk	Length (mm)	≤ 24900
Assessor	Daniel Nolan	Height (mm)	≤ 4300

Mass Limits	Level 2
GML (t)	64.0
CML (t)	66.0
HML (t)	67.5
Bridge Assessment	Tier 1

Axle Group Masses	Level 2		
	GML	CML	HML
Steer (t)	11.0	11.0	11.0
Drive (t)	16.5	17.0	17.0
Trailer Front (t)	16.5	17.0	17.0
Trailer Rear (t)	20.0	21.0	22.5

Operating conditions

The NHVR approves the vehicles listed herein for the level(s) shown in the “Mass Limits” table with the following operating conditions:

1. The total combination mass must not exceed the limits in the “Mass Limits” table.
2. The axle group masses must not exceed the limits in the “Axle Group Masses” table.
3. If the “Mass Limits” table specifies Tier 2 or Tier 3, a bridge assessment is required.
4. Maximum bin heights measured from the ground must not exceed: (m)
 - Truck: 3.500
 - Trailer: 3.580

5. Maximum payload heights measured from the ground must not exceed: (m)

	Heaped payload	Water level payload
Truck	3.500	3.300
Trailer	3.760	3.560

Heaped payloads are taken to be the same volume of material as *water level payloads*.

6. For twin-steer axle group operation above 10.0t:
 - Load sharing suspension.
7. Concessional Mass Limits (CML) requirements:
 - a National Heavy Vehicle Accreditation Scheme (NHVAS) – Mass Management Accreditation must be in force for all motor vehicles listed on this vehicle approval.
8. Higher Mass Limits (HML) requirements:
 - for tandem axles groups, road friendly suspensions;
 - for tri-axle groups, road friendly suspensions and a National Heavy Vehicle Accreditation Scheme (NHVAS) – Mass Management Accreditation must be in force for all motor vehicles listed on this vehicle approval.
9. When operating at Level 2, there is a minimum mass requirement for the drive axle group. The mass on the drive axle group must be at least 19.7% of the total combination mass e.g. at 64t total combination mass, $64 \times 0.197 = 12.6t$ is required on the drive axle group. This clause does not apply to an unladen vehicle.
10. If overall length exceeds 22m but does not exceed 30m, a “LONG VEHICLE” sign must be displayed at the rear of the vehicle.
11. If drawbar length exceeds 5m, the outermost surface of the drawbar must be fitted with yellow reflective material that complies with Class C material requirements of United National Economic Commission for Europe Regulation No. 104 Uniform provisions concerning the approval of retro-reflective markings for vehicles of category M, N and O.

Exemptions

Heavy Vehicle National Law Section 24

Heavy Vehicle (General) National Regulation Section 28

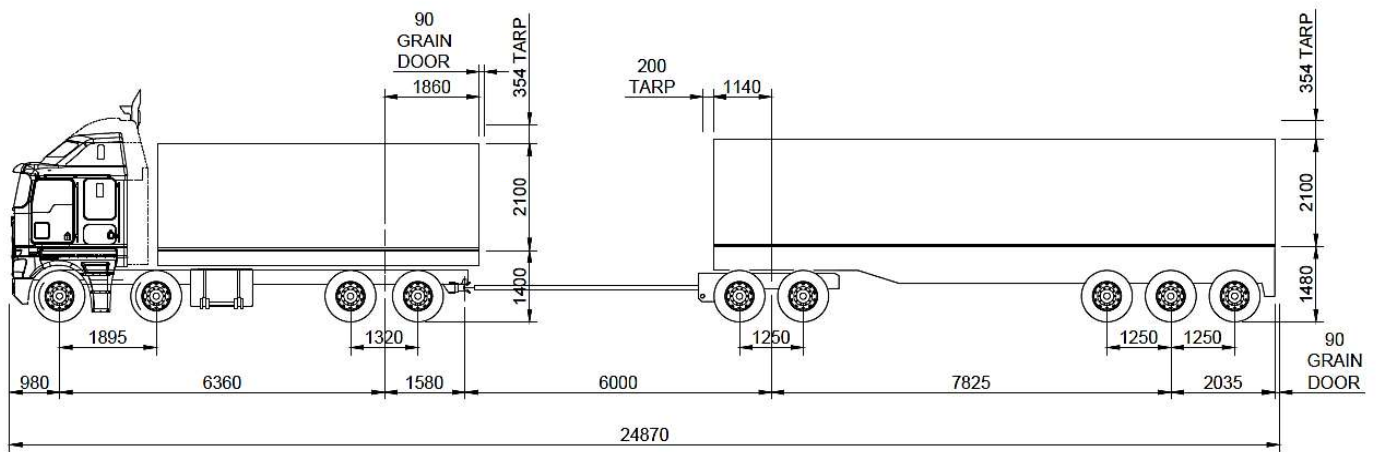
The following table lists exemptions from prescribed vehicle standards that have been granted for the vehicle(s) in this vehicle approval.

Exemptions	
ADR	Rule 43, Clause 6.2.2 (Drawbar length – Trailers)
HV(MDL)NR	Schedule 6, Section 3 (Length – General) Schedule 6, Section 6 (Length – Trailer drawbars)
HV(VS)NR	NA

ADR Australian Design Rules

HV(MDL)NR *Heavy Vehicle (Mass, Dimension and Loading) National Regulation*

HV(VS)NR *Heavy Vehicle (Vehicle Standards) National Regulation*



Details of truck(s) or prime mover(s)

Make	Kenworth
Model	K200 8x4
VIN(s)	6F5000000KA466445
Engine make/ model/ rating	Cummins X15 485Hp ADR 80/03
Transmission make/ model	RTLO22918B
Differential make/ model/ FD ratio	Dana D46-170 4.30
Suspension make/ model (Steer)	Kenworth Load-Share Twin Steer Leaf Spring 12t
Suspension make/ model (Drive)	Kenworth Airglide 460 RF2012
Tyres make/ size/ model (Steer)	295/80R22.5 Bridgestone R150 II
Tyres make/ size/ model (Drive)	11R22.5 Bridgestone M766
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS
Tow coupling make/ D rating	Ringfeder 303AUS D=320kN
Wheelbase (mm)	6360
Vehicle height (Measured from the ground) (mm)	3500
Number of axles	4
ADR category	NC
GVM (kg)	32,000
GCM (kg)	97,000
Comments/ notes:	

Details of trailer(s) or dolly(s)

Type	5 Axle Dog Trailer
Make	Shephard Transport Equipment
Model	A5DOG-400T
VIN(s)	6V9T24STEKC075051
Suspension make/ model	Dolly – Hendrickson Intraax AAL250 12" RF2008 Rear – Hendrickson Intraax AAT250 15" RF2008
Tyres make/ size/ model	275/70R22.5 Bridgestone R168
Drawbar length (mm)	6000
Coupling make/ D rating	KHitch KHDR1000 Ballrace D=480kN
Brakes (Load Proportioning, ABS, ECB, etc.)	EBS
Wheelbase (mm)	7825
Vehicle height (Measured from the ground) (mm)	3580
Number of axles	5
ADR category	TD
ATM (kg)	39,500
Comments/ notes:	

Approved tyre options

Steer –

- non-brand specific 22.5-inch rim diameter

Drive –

- non-brand specific 22.5-inch rim diameter

Trailer –

- non-brand specific 22.5-inch rim diameter

Retread tyres are permitted.

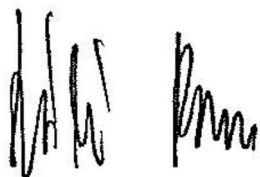
Tyre load ratings must be appropriate for the axle mass.

Tyres listed herein are specific for PBS application number V190814.

A different list of tyres will apply for other combination types and different PBS application numbers.

Declaration

I, Laszlo Bruzsa Chief Engineer, delegate of the National Heavy Vehicle Regulator approve this PBS Vehicle Approval PBS–V190814 –VA7016.



Laszlo (Les) Bruzsa

Chief Engineer

National Heavy Vehicle Regulator

Dated: 30/10/19

Revision table

N	VA	Vers	Brief description	Date
1	7016	1A	First issue.	30/10/19

Important information

As per Heavy Vehicle National Law Section 153, the driver must keep in the driver's possession a copy of this Vehicle Approval and be able to produce it for inspection by compliance officers. Penalties apply.

If changes or modifications are required, these are limited to the specifications contained in the relevant PBS Design Approval and the Application for Design Approval Part A and B. Contact the applicant (see the cover page on this document) for information related to the allowed specifications.

A change of components and/or dimensions must be certified by an approved PBS certifier and an updated version of this Vehicle Approval must be obtained. A change of tyres, outside of the list contained on this Vehicle Approval, also requires approval but will not require an inspection by a PBS certifier.

Road access

This is not an authorisation to access the road network. You must comply with the relevant Notice or obtain an access permit.

Please note that if you add vehicles to a PBS Vehicle Approval you will need to update the access permit to reflect the latest Vehicle Approval. If the new vehicles have different masses or dimensions to what is already approved, the NHVR will have to seek Road Manager consent again; which may extend the time required to issue the new permit.

For more information on the PBS Truck and Dog Notice visit [National class 2 PBS level 1 and 2A truck and dog trailer authorisation notice 2016](#).

To apply for an access permit, visit the [NHVR Portal](#). You must supply a route ID when applying for an access permit. Use Route Planner to obtain your route ID, you can do this as part of the permit application process in the [NHVR Portal](#).

For further assistance please visit our website at www.nhvr.gov.au or call 1300 MYNHVR (1300 696 487).

For queries relating to this document please contact the PBS Coordinator at pbs@nhvr.gov.au.

Transfer of Vehicle Approval

When applying for an access permit for a PBS vehicle, a PBS Vehicle Approval must be in the name of the company that operates the vehicle on the road.

If/ when a PBS combination is sold, the PBS Vehicle Approval has to be transferred across to the new owner.

To transfer a PBS Vehicle Approval to a new owner, use a [Vehicle Approval transfer application form](#).