

PBS Vehicle Approval

Heavy Vehicle National Law Section 23

Heavy Vehicle (General) National Regulation Section 17

IMPORTANT

- This combination must be operated under a Notice or an access permit unless compliant with the Specified PBS Vehicle provision.
- The driver must carry a copy of this PBS Vehicle Approval and an associated access permit or notice and be able to produce readable copies (electronic or hard copy) if requested by Authorised Officers.
- All vehicle units in a combination (prime movers, trailers, dollies, etc.) must be listed on this VA.
- The driver must be able to identify the specific combination being driven within the VA.
- Failure to comply with the above can incur penalties for the operator, driver, or other responsible parties.

16 April 2026

Ref No: PBS – VA12929 – V190802 – v5A

This PBS Vehicle Approval modifies any previously issued approval for the vehicle(s) listed herein operating under Application Number V190802 .

Design Approval Holder		Address	
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Application Number	V190802	Vehicle	A-Double (3-3-3)
Load	Quarry and Bulk; Bin	Length (mm)	≤ 30000
Assessor	Marcus Coleman	Height (mm)	≤ 4300

Approval under section 8 of the Heavy Vehicle (General) National Regulation – Non compliance	
A heavy vehicle built to this design does not comply with the following Infrastructure Standard/s:	Pavement Horizontal Loading (A2)
Condition:	Any PBS vehicle approval for a heavy vehicle built to this design above 85t at Level 2 will be subject to the condition that the vehicle may only be operated under an agreement made with each responsible road authority and road manager for roads on which the vehicle is to operate.

Combination Matrix

For each Prime Mover and Trailer Set, the corresponding drawing reference number, dimension set number and mass table number/s are listed below. The dimension set number e.g., 'Variant 4' indicates the maximum allowable payload heights and/or allowable tyre options for the corresponding Prime Mover and Trailer Set - refer to the Operating Conditions and Approved Tyre Options sections on this VA.

New VINs added in this VA are listed in bold.

Prime Mover 1	Make	GCM (t)	Prime Mover 2	Make	GCM (t)
6F5000000HA458852	KW	97	6F5000000NA475998 6F5000000RA488820 6F5000000SA493924	KW	97

Lead Trailer 1	ATM (t)	Lead Trailer 2	ATM (t)
6K9R0ATRAMA604017	44	6K9R0ATRAPA604199 6K9R0ATRARA604629 6K9R0ATRASA604773	44

Dolly 1		ATM (t)
6K9RBKDOLMA604018 6K9RBKDOLPA604200	6K9RBKDOLRA604630 6K9RBKDOLSA604774	23.5

Rear Trailer 1	ATM (t)	Rear Trailer 2	ATM (t)
6K9R0ATRAMA604019	44	6K9R0ATRAPA604201 6K9R0ATRARA604631 6K9R0ATRASA604775	44

Trailer Sets			
Trailer Set 1	Lead Trailer 1	Dolly 1	Rear Trailer 1
Trailer Set 2	Lead Trailer 2	Dolly 1	Rear Trailer 2

	Trailer Set 1	Trailer Set 2
Prime Mover 1	Variant 4 1-TJK-26 Table 1, 2, 4	Variant 4 2-TJK-26 Table 1, 2, 4
Prime Mover 2	Variant 4 1-TJK-26 Table 1, 3, 4	Variant 4 2-TJK-26 Table 1, 3, 4

Table 1
Prime Mover 1, 2 and Trailer Set 1, 2

Mass Limits	Level 2	Axle Group Masses	Level 2		
			GML	CML	HML
GML (t)	83.0	Steer (t)	6.5	6.5	6.5
CML (t)	85.0	Drive (t)	16.5	17.0	17.0
HML (t)	85.5	Lead Trailer (t)	20.0	21.0	22.5
Bridge Assessment	Tier 2/3	Dolly (t)	20.0	21.0	22.5
		Rear Trailer (t)	20.0	21.0	22.5

Table 2
Prime Mover 1 and Trailer Set 1, 2

Mass Limits	Level 2	Axle Group Masses	Level 2		
			GML	CML	HML
GML (t)	70.2	Steer (t)	6.5	6.5	6.5
CML (t)	72.2	Drive (t)	16.5	17.0	17.0
HML (t)	78.2	Lead Trailer (t)	20.0	21.0	22.5
Bridge Assessment	Tier 1	Dolly (t)	20.0	21.0	22.5
		Rear Trailer (t)	20.0	21.0	22.5
The mass across axle groups is limited to -					
Axle Groups			GML	CML	HML
1 to 4			60.20	62.20	65.70
2 to 4			52.40	54.40	57.90
2 to 5			63.70	65.70	71.70
3 to 5			54.65	56.65	62.15

Table 3
Prime Mover 2 and Trailer Set 1, 2

Prime Mover L and Trailer Set 1, L			Axle Group Masses	Level 2		
Mass Limits	Level 2			GML	CML	HML
GML (t)	70.2		Steer (t)	6.5	6.5	6.5
CML (t)	72.2		Drive (t)	16.5	17.0	17.0
HML (t)	78.2		Lead Trailer (t)	20.0	21.0	22.5
Bridge Assessment	Tier 1		Dolly (t)	20.0	21.0	22.5
			Rear Trailer (t)	20.0	21.0	22.5
			The mass across axle groups is limited to -			
			Axle Groups	GML	CML	HML
			1 to 4	60.15	62.15	65.65
		2 to 4	52.40	54.40	57.90	
		2 to 5	63.70	65.70	71.70	
		3 to 5	54.65	56.65	62.15	

Table 4
Prime Mover 1, 2 and Trailer Set 1, 2

Mass Limits	Level 3	Axle Group Masses	Level 3		
			GML	CML	HML
GML (t)	83.0	Steer (t)	6.5	6.5	6.5
CML (t)	85.0	Drive (t)	16.5	17.0	17.0
HML (t)	91.0	Lead Trailer (t)	20.0	21.0	22.5
Bridge Assessment	Tier 1	Dolly (t)	20.0	21.0	22.5
		Rear Trailer (t)	20.0	21.0	22.5

Operating conditions

The NHVR approves the vehicles listed herein for the levels 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 payload heights measured from the ground must not exceed: (m)

Variant 4	Heaped payload	Water level payload
Level 2	3.400	3.200
Level 3	3.150	2.950

5. 6.5 tonne complying steer axle requirements:
 - an engine that complies with the engine emission standards of Australian Design Rule (ADR) 80/01 (Euro 4) or a later version of ADR 80; and
 - a front underrun protection device (FUPD) that complies with UN ECE Regulation 93 or ADR 84; and
 - a cabin that complies with UN ECE Regulation 29.
6. 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.
7. 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.
8. 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 20% of the total combination mass e.g. at 79.5t total combination mass, $79.5 \times 0.2 = 15.9\text{t}$ is required on the drive axle group. This clause does not apply to an unladen vehicle.
9. When operating at Level 3, there is a minimum mass requirement for the drive axle group. The mass on the drive axle group must be at least 16% of the total combination mass e.g. at 83.0t total combination mass, $83.0 \times 0.16 = 13.28\text{t}$ 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. The vehicle may only be operated above 85t at Level 2 under an agreement made with:
 - if a road authority for a jurisdiction is responsible for the roads on which the vehicle is likely to be operating—each responsible road authority; and
 - if 1 or more road managers are responsible for the roads on which the vehicle is likely to be operating—each responsible road manager.

Exemptions

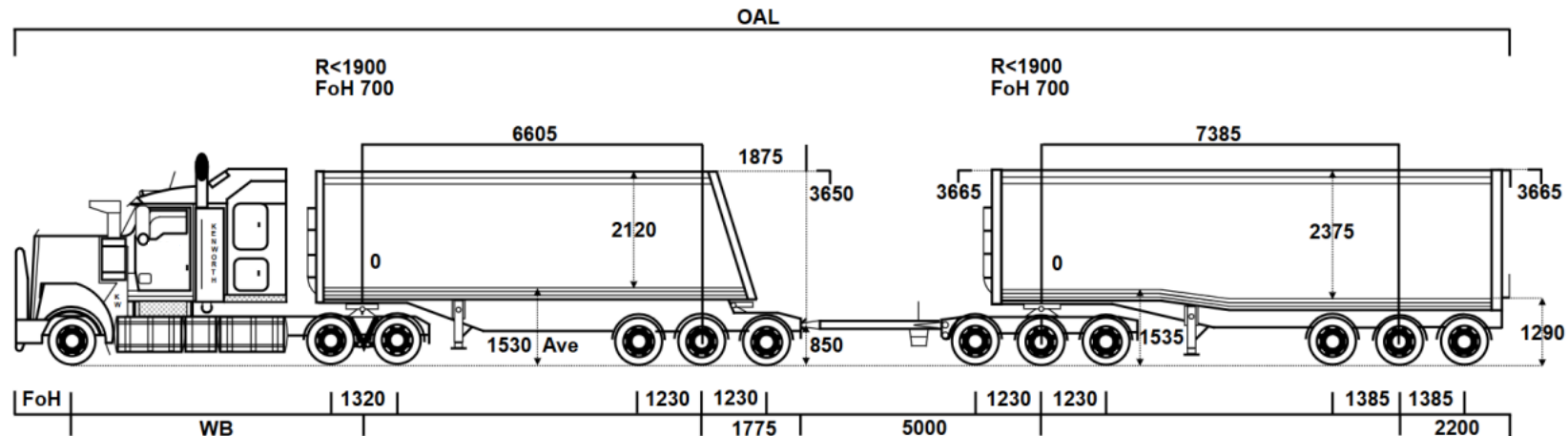
Heavy Vehicle National Law Section 24

Heavy Vehicle (General) National Regulation Section 28

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

Exemptions	
ADR	Rule 63, Clause 5.1 (Tow coupling location)
HV(MDL)NR	NA
HV(VS)NR	Schedule 3, Section 29 (Attachment of couplings and drawbar eyes on road trains)
ADR	Australian Design Rules
HV(MDL)NR	<i>Heavy Vehicle (Mass, Dimension and Loading) National Regulation</i>
HV(VS)NR	<i>Heavy Vehicle (Vehicle Standards) National Regulation</i>

As Built – Variant 4
Prime Mover 1-2 & Trailer Set 1

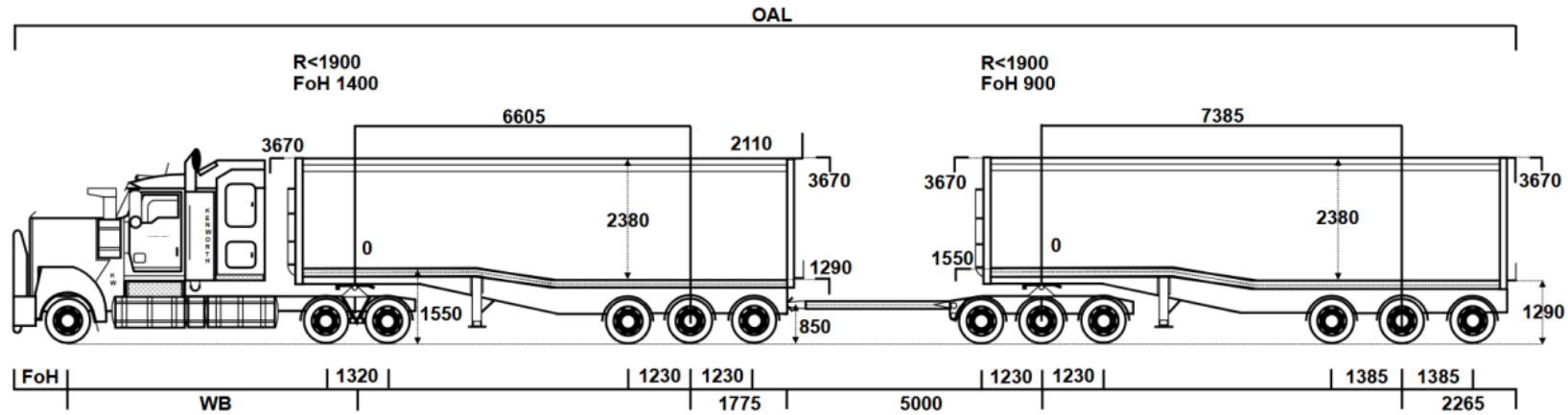


PM	FoH	WB	OAL
1	1070	5550	29,585
2	1450	5500	29,915

Maker-Tippers-Unladen	1-TJK-26	0	10/04/2026	NEBCOH
Title	Dwg. No.	Rev.	Date	Author



As Built – Variant 4
Prime Mover 1-2 & Trailer Set 2



PM	FoH	WB	OAL
1	1070	5550	29,650
2	1450	5500	29,980

Maker-Tippers-Unladen	2-TJK-26	1	10/04/2026	NEBCOH
Title	Dwg. No.	Rev.	Date	Author



Approved tyre options

Steer –

6.5t axle mass limit

- **295/80R22.5** (Load Index **151** or higher, single configuration)
- **385/65R22.5** (Load Index **158** or higher, single configuration)
- **315/80R22.5** (Load Index **155** or higher, single configuration)
- **305/70R22.5** (Load Index **149** or higher, single configuration)

6.0t axle mass limit

- **11R22.5** (Load Index **146** or higher, single configuration)

Drive –

- **11R22.5** (Load Index **143** or higher, dual configuration)
- **255/70R22.5** (Load Index **137** or higher, dual configuration)
- **265/70R19.5** (Load Index **138** or higher, dual configuration)
- **275/70R22.5** (Load Index **144** or higher, dual configuration)
- **295/60R22.5** (Load Index **144** or higher, dual configuration)
- **295/80R22.5** (Load Index **151** or higher, dual configuration)
- **305/70R22.5** (Load Index **150** or higher, dual configuration)
- **315/80R22.5** (Load Index **152** or higher, dual configuration)

Trailer –

- **11R22.5** (Load Index **143** or higher, dual configuration)
- **255/70R22.5** (Load Index **137** or higher, dual configuration)
- **265/70R19.5** (Load Index **138** or higher, dual configuration)
- **275/70R22.5** (Load Index **144** or higher, dual configuration)
- **295/80R22.5** (Load Index **151** or higher, dual configuration)
- **305/70R22.5** (Load Index **150** or higher, dual configuration)
- **315/80R22.5** (Load Index **152** or higher, dual configuration)

Tyre load index and inflation pressure must be appropriate for the axle mass (inflation pressures must be within legal inflation limits)

Retread tyres are only permitted on the drive, dolly, and trailer axles.

Tyres listed herein are specific for PBS application number V190802.

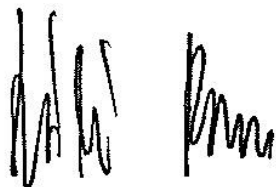
A different list of tyres will apply for other combination types and different PBS application numbers.

Axle spacings for as-built combinations - A-double (1-2-3-3-3)

PM	TS	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	OAL
1	1	4890	1320	4715	1230	1230	4315	1230	1230	4770	1385	1385	29585
1	2	4890	1320	4715	1230	1230	4315	1230	1230	4770	1385	1385	29650
2	1	4840	1320	4715	1230	1230	4315	1230	1230	4770	1385	1385	29915
2	2	4840	1320	4715	1230	1230	4315	1230	1230	4770	1385	1385	29980

Declaration

I, Laszlo Bruzsa Chief Engineer, delegate of the National Heavy Vehicle Regulator, approve this PBS Vehicle Approval PBS–V190802 –VA12929.



Laszlo (Les) Bruzsa
Chief Engineer
National Heavy Vehicle Regulator
Dated: 16/04/26

Revision table

N	VA	Vers	Brief description	Date
1	9079	1A	First issue.	02/06/21
2	9079	2A	Updated Mass Tables.	22/06/22
3	12929	1A	Adding 1x prime mover, 2x trailers, 1x dolly to VA9079 (additional VINs listed in bold).	20/02/23
4	12929	2A	Adding 2x trailers, 1x dolly (additional VINs listed in bold).	21/06/24
5	12929	3A	Adding 1x prime mover (additional VINs listed in bold).	28/11/24
6	12929	4A	Adding 2x trailers, 1x dolly (additional VINs listed in bold).	04/02/25
7	12929	5A	Adding 1x prime mover (additional VINs listed in bold).	16/04/26

Important information

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 can 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.

If VA contains multiple tyre option tables, all tyre selections must be chosen from the same tyre options table. Tyres from different tyre options tables are not interchangeable.

Road access

The PBS Vehicle Approval is not an authorisation to access the road network. You must comply with the relevant Notice or obtain an access permit. To apply for an access permit, visit the [NHVR Portal](#).

For more information on PBS Notices visit:

[National Class 2 PBS Level 1 & 2a Truck and Dog Trailer Authorisation Notice 2021 \(No.1\)](#)

[National Class 2 Performance Based Standards \(High Productivity\) Authorisation Notice](#)

[National Class 2 Performance Based Standards \(Tier 1\) Authorisation Notice 2021](#)

If you add vehicles to your PBS Vehicle Approval, the PBS Vehicle Approval number may change depending on the new vehicles added. If the PBS Vehicle Approval number has changed, and your access permit references a PBS Vehicle Approval number, your access permit will need to be amended to reflect the latest Vehicle Approval number. Note that most truck and dog access permits will not reference a PBS Vehicle Approval number and therefore changes to the Vehicle Approval do not require an update to the access permit. For more information, watch [Adding vehicles to a PBS Vehicle Approval](#) video on our YouTube channel.

For more information, please visit our website at www.nhvr.gov.au or call 13 NHVR (13 64 87).

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

Manage your PBS Vehicle Approval

Please visit our [website](#) to view a list of available options and associated forms to manage your PBS Vehicle Approval.