

# 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.

20 September 2022

**Ref No: PBS – V150604 – VA11912 – CHRIS'S BODY BUILDERS / East Gippsland Road Maintenance Proprietary – v1A**

This PBS Vehicle Approval modifies any previously issued approval for the vehicle(s) listed herein operating under Application Number V150604 .

Applicant details	Chris De Bono CHRIS'S BODY BUILDERS 2/24 Burwood Ave Sunshine North VIC 3020	Operator	East Gippsland Road Maintenance Proprietary 56 Obrien St Bairnsdale VIC 3875
-------------------	---	----------	---

Application Number	V150604	Vehicle	3-axle truck 4-axle dog
Load	Quarry and Bulk; Bin	Length (mm)	≤ 19000
Assessor	Marcus Coleman	Height (mm)	≤ 4300

## Combination Matrix

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

New VINs added in this VA are listed in bold.

Truck 1
<b>6F5000000KA465104</b>

Trailer 1
<b>6B9TR4D0GNSCB8932</b>

	Trailer 1
Truck 1	8932 Original Table 1

**Table 1**  
**Truck 1 and Trailer 1**

Mass Limits	Level 2	Axe Group Masses	Level 2		
			GML	CML	HML
GML(t)	54.55		Steer(t)	6.5	6.5
CML (t)	55.55		Drive (t)	16.5	17.0
HML (t)	56.05		Trailer Front(t)	16.5	17.0
Bridge Assessment	Tier 1		Trailer Rear(t)	16.5	17.0
The mass across axle groups is limited to -					
Axle Groups	GML	CML	HML		
2 to 4	48.05	49.05	49.55		
3 to 4	31.55	32.55	32.55		

## 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 payload heights measured from the ground must not exceed: (m)

Original	Heaped payload	Water level payload
Truck	3.600	3.400
Trailer	3.600	3.400

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.
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 56t total combination mass,  $56 \times 0.2 = 11.2t$  is required on the drive axle group. This clause does not apply to an unladen vehicle.

## Exemptions

*Heavy Vehicle National Law Section 24*

*Heavy Vehicle (General) National Regulation Section 28*

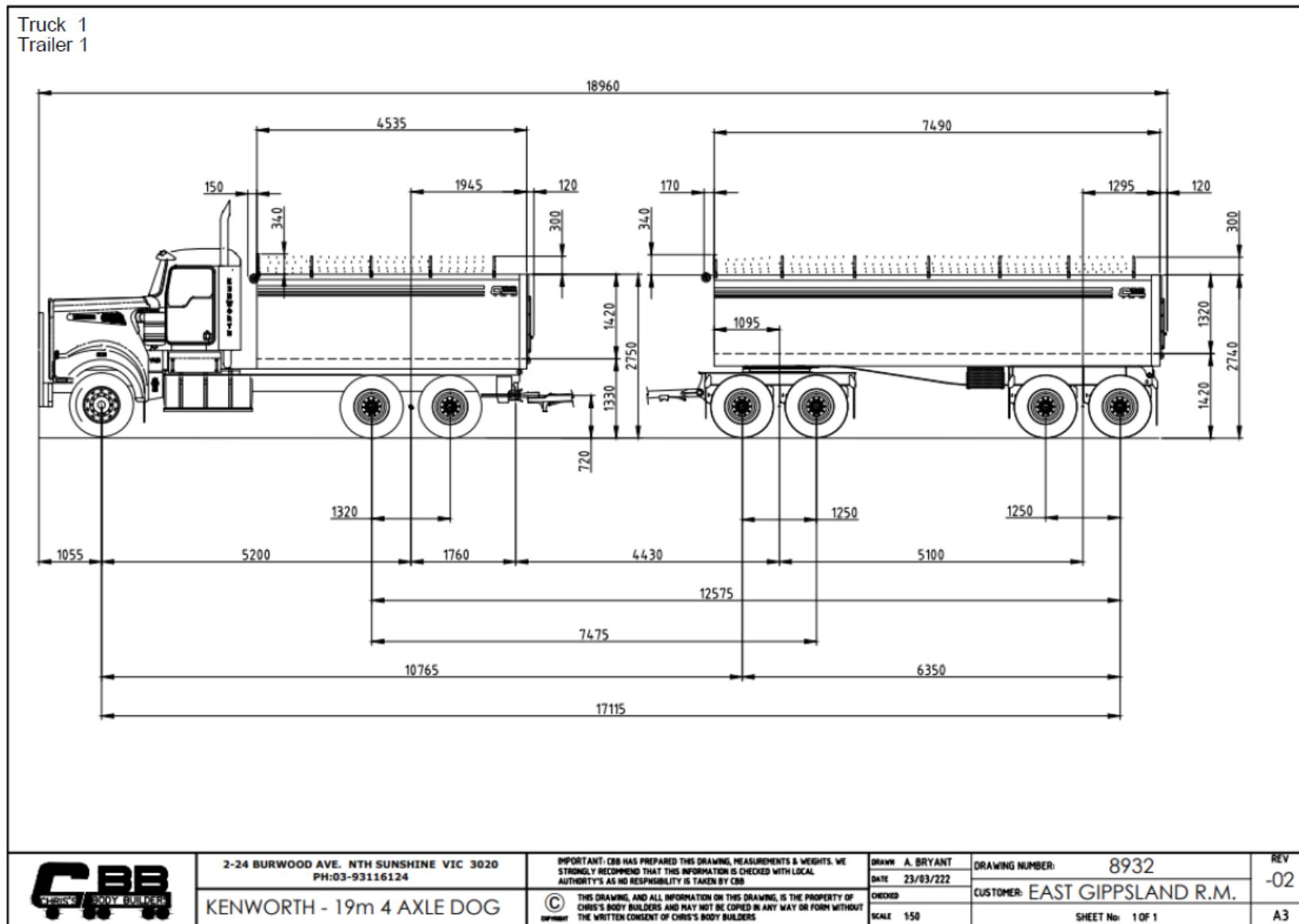
The following table lists exemptions from prescribed vehicle standards that have been granted for the vehicle(s) in this vehicle approval.

Exemptions	
ADR	NA
HV(MDL)NR	NA
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) – Truck 1**

Make	Kenworth
Model	T909
VIN(s)	<b>6F5000000KA465104</b>
Engine make/ model/ rating	Cummins X15 485Hp ADR80/03
Transmission make/ model	Eaton Fuller RTLO22918B
Differential make/ model/ FD ratio	Meritor RT46-160GP 4.10
Suspension make/ model (Steer)	Kenworth leaf spring 7.2t
Suspension make/ model (Drive)	Kenworth Airglide 460 RF2012
Tyres make/ size/ model (Steer)	385/65R22.5 Firestone FT833
Tyres make/ size/ model (Drive)	11R22.5 Michelin XMulti D
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS
Tow coupling make/ D rating	Rockinger RO*50-G6 D=285kN
Wheelbase (mm)	5200
Vehicle height (Measured from the ground) (mm)	2750
Number of axles	3
ADR category	NC
GVM (kg)	27,800
GCM (kg)	97,000
Comments/ notes:	

**Details of trailer(s) or dolly(s) – Trailer 1**

Type	4 Axle Dog Trailer
Make	Chris's Body Builders
Model	CBBDT-4
VIN(s)	<b>6B9TR4D0GNNSCB8932</b>
Suspension make/ model	York Duratrac RF2001
Tyres make/ size/ model	11R22.5 Bridgestone R168
Drawbar length (mm)	5000
Coupling make/ D rating	Jost SO-1100-24
Brakes (Load Proportioning, ABS, ECB, etc.)	EBS
Wheelbase (mm)	5100
Vehicle height (Measured from the ground) (mm)	2740
Number of axles	4
ADR category	TD
ATM (kg)	35,000
Comments/ notes:	

## Approved tyre options - Original

**Steer –**

- 295/80R22.5, 385/65R22.5, 315/80R22.5, 11R22.5

**Drive –****PBS Reference Tyre TS002 –**

- 11R22.5** Advance GL671A, Aeolus HN08, AGC08, Boto BT212N, Bridgestone M722, M749, M766, M822, R-Drive 001, Continental HDR2+, Double Coin RLB1, RR, Double Star HR169, HR268, Dunlop SP430, SP431, Durun YTH1, Effiplus Moby R802, Firestone FD663, General RA, Goodride CM333, MD738, CR960A, Goodyear LHT II, S100, Jinyu JY601, Haulmax ATT305, ATT307, ATT308, ATT101, ATT202, Hifly HH301, HH308A, Lionstone HL126, Mileland MLT268, O'Green AG677, Remington R628, Sailun S665 EFT, RoadX RD782, RoadX AP866, S702, S815, Sportrak SP901, Steelmark AMS, Superhawk HK686, TechKing TKAM C+, TKAM II, Treadline TL836D, Triangle TR668, Westlake/ Chao Yang/ Goodride CM333, MD738, Windpower WGC08
- 11R22.5** Goodyear LHT, Michelin XJE4, XZA
- 265/70R19.5** Goodyear LHT, RHT, Maxxis UR275
- 275/70R22.5** BF Goodrich Route Control S, Blacklion BA126, Dunlop SP430, Goodyear LHD II, Haulmax ATT101, Hifly HAR515, Maxxis UR288, Michelin X Multi D, Sailun S637+
- 295/60R22.5** Goodyear LHD II, Michelin XDA 2+
- 295/80R22.5** Bridgestone M729, R-Drive 001, Ecopia H-Drive, Continental HD Hybrid, HDC1, Double Coin RR680, Haulmax ATT307, ATT101, ATT202, Jinyu JF568, JY529, Maxxis UR288, Michelin X Multi Z, X Multi 3D XDE, X Multi D+
- 305/70R22.5** Michelin XZU2T, XDE 2+, Haulmax ATT101
- 315/80R22.5** Aeolus HN266, Haulmax ATT202 HLT, TechKing TKAM IIs
- 11R22.5 (Retread)** Bandag BRL3 (Minimum tread width 210 mm), RT (Minimum tread width 203 mm)

***Or***

- 11R22.5** Michelin XMulti D

Tyre load ratings must be appropriate for the axle mass.

Tyres listed herein are specific for PBS application number V150604.

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

## Approved tyre options - Original

### **Trailer –**

#### **PBS Reference Tyre TS003 –**

- **11R22.5** Advance GL671A, Aeolus HN06, HN08, HN266, AGC08, Aufine Galaxy AF177, Austyre 16PR, Boto BT370, BT212N, BT168, Bridgestone R109, R168, R187, R285Z, R295Z, Continental HT3, HTR, Double Coin RLB1, RR, Double Star HR169, HR268, Dunlop SP430, SP431, SP350A, Durun YTH1, YTH4, Effiplus Moby R802, Folo, R199+, Firestone FS567, FT469, UT3000, T559, General RA, GiTi GAR827, Goodride CR960A, CR926D, CR944, Goodyear G182RSD, G667, LHT II, Hankook TH22, TH31, Haulmax ATT101, ATT105, ATT202, Hifly HH301, HH104, Hilo 100, Jetsteel JUL1, Jinyu JY601, JY501, JY588, Kumho KRT03, Lionstone HL126, Loadrunner LR718A, LR735R, Mileland MLT268, O'Green AG168, AG735, Remington R628, Sailun RoadX AP866, S665 EFT, S815, Sportrak SP398, SP901, Steelmark AMS, Superhawk HK686, TechKing TKAM C+, TKAM II, Treadline TL735F, TL718A, Triangle TR668, Michelin X Multi T, Westlake/ Chao Yang/ Goodride CR926D, CR960A, Windpower HN266, WDR23, HN06, WSL06, WGC08, Yokohama RY588
- **11R22.5** Goodyear LHT, Michelin XJE4, XZA, XTE 2, Westlake, Chao Yang/ Goodride CR944
- **255/70R22.5** Bridgestone R168, Goodride CM988, Goodyear G661, Marathon LHT II, Sailun S637+
- **265/70R19.5** Bridgestone R168, Ecopia R109, Goodyear LHT, RHT, Maxxis UR275, Michelin XTE 2
- **275/70R22.5** Austyre ST04, BF Goodrich Route Control S, Blacklion BA126, Bridgestone Ecopia R109, R168, R184, Continental HSR1, Dunlop SP350A, SP430, SP122, Durun DH107, Firestone T559, Goodride AT557, Goodyear Marathon LHT II, Hankook TH31, Haulmax ATT101, ATT202, Hifly HAR515, Kumho KRT01, KRT03, Maxxis UR288, Michelin XTA 2 Energy, X Multi T, O'Green AG516, Sailun RoadX RH621, S637+, TechKing TKST IV, Windpower WGB20
- **295/80R22.5** Double Coin RR680, Dunlop SP350A, Goodride CM958, Goodyear S100, S200, Haulmax ATT101, ATT202, Jinyu JF568, JY529, Joyall A8, Maxxis MA268, UR288, UR200, O'Green AG150, Treadline TL176F
- **305/70R22.5** Michelin XZU2T, Haulmax ATT101
- **315/80R22.5** Aeolus HN266, Haulmax ATT202 HLT, TechKing TKAM IIs
- **11R22.5 (Retread)** Bandag BRL3 (Minimum tread width 210 mm), R4200 (Minimum tread width 203 mm), RT (Minimum tread width 203 mm)

Tyre load ratings must be appropriate for the axle mass.

Tyres listed herein are specific for PBS application number V150604.

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–V150604 –VA11912.



Laszlo (Les) Bruzsa  
Chief Engineer  
National Heavy Vehicle Regulator  
Dated: 20/09/22

## Revision table

N	VA	Vers	Brief description	Date
1	11912	1A	First issue.	20/09/22

## 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.

## 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. 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](http://www.nhvr.gov.au) or call 13 NHVR (13 64 87).

For queries relating to this document please contact the PBS Team at [pbs@nhvr.gov.au](mailto:pbs@nhvr.gov.au).

## Transfer of PBS 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 must be transferred across to the new owner.

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