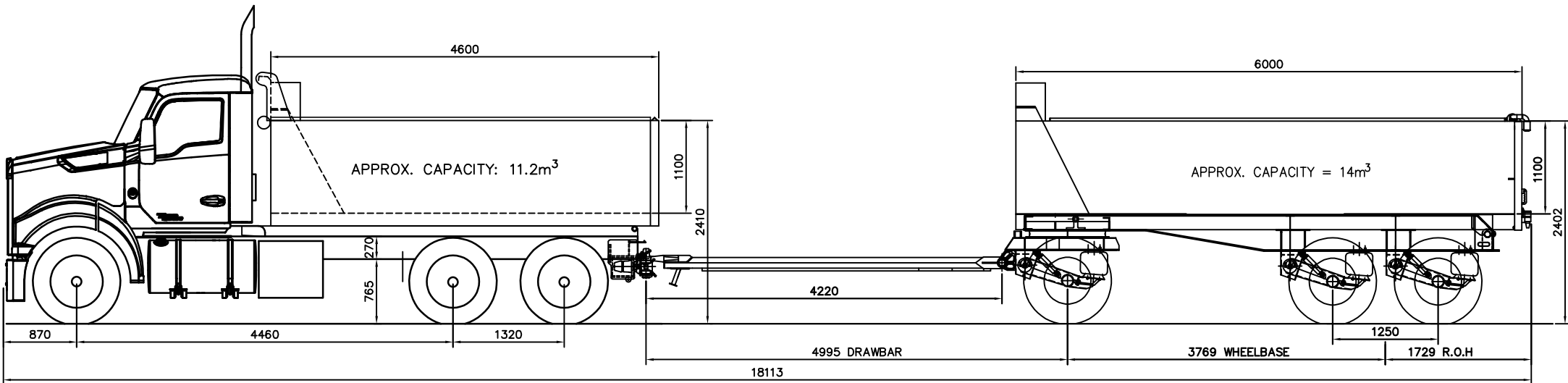


Truck Make: Kenworth T410 SAR	Trailer Make: DT3-QT-TMC
Truck Body Dimensions: 4600 x 1100 Approx. Capacity: 11.2m <sup>3</sup>	Trailer Body Dimensions: 6000 x 1100 Approx. Capacity: 14.0m <sup>3</sup>
Tow hitch: Rockinger Hydraulic Tank: Already existing	Trailer ATM: 26t Drawbar Length: 4995mm
Approx. O/A length of combination: 18113mm	

<b>APPROX. PBS MASS ACHIEVABLE</b>			
PBS	Level 1	PBS	Level 2
GML (t)	48.5	GML (t)	48.5
		CML (t)	49.5
		HML (t)	49.5

\*Subject to variation depending on manufacturing allowances and final inspection by a PBS certifier



Notes:

1. The combination shown is subject to final PBS approval.
2. The PBS mass shown above may slightly vary depending on manufacturing allowances and actual PBS measurement by a PBS certifier.
3. Above weights include 0.5t extra, considering your truck is eligible for steer axle mass exemption.
4. Please consult with NHVR/local road authority to ensure correct permits are available for this combination, because some combinations may need permits.
5. The gross combination mass must be lesser than rated truck GCM.
6. Truck drawing is a representation only. Please check drawing to ensure truck dimensions on drawing matches your existing truck or is as per your requirement.

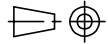
Customer:	Scope Investments
Truck Details:	Kenworth T410 SAR
Truck VIN No:	6F5000000RA488298
Trailer Job No:	24R104
Trailer VIN No:	629DT243ARS364104

**GORSKI ENGINEERING PTY LTD**

PH: +61-3-9308 5433 Email: engineering@gorski.com.au

Model Code:	PBS-QT-TR-BON-DT3	Rev:	
Description:	Truck & DT3 Combo	All dimensions in millimetres	

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Drawn	Date	Scale	 3rd angle projection
A.M.	06.09.2024	N.T.S.	

## 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.

26 April 2023

**Ref No: PBS – VA13334 – V201027 – v1A**

This PBS Vehicle Approval modifies any previously issued approval for the vehicle(s) listed herein operating under Design Application Number V201027 .

Design Approval Holder	Victor Trumper Advantia Transport Consulting	Address	PO Box 680 Greensborough VIC 3088
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Design Application	V201027	Vehicle	3-axle truck 3-axle dog
Load	Quarry and Bulk	Length (mm)	≤ 18150
Assessor	Daniel Nolan	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., ‘Variant 14’ 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	Make	GCM (t)
<b>6F5000000NA477211</b>	KW	70

Trailer 1	ATM (t)
<b>6T9T24V86PA5TH009</b>	26

	Trailer 1
Truck 1	ATC1644-L-01 Variant 14 Table 1, 2

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

Mass Limits	Level 1	Axle Group Masses	Level 1		
			GML	CML	HML
GML (t)	48.5	Steer (t)	6.5	6.5	6.5
CML (t)	48.5	Drive (t)	16.5	17.0	17.0
HML (t)	48.5	Trailer Front (t)	9.0	9.0	9.0
Bridge Assessment	Tier 1	Trailer Rear (t)	16.5	17.0	17.0

**Table 2**  
**Truck 1 and Trailer 1**

Mass Limits	Level 2	Axle Group Masses	Level 2		
			GML	CML	HML
GML (t)	48.5	Steer (t)	6.5	6.5	6.5
CML (t)	49.5	Drive (t)	16.5	17.0	17.0
HML (t)	49.5	Trailer Front (t)	9.0	9.0	9.0
Bridge Assessment	Tier 1	Trailer Rear (t)	16.5	17.0	17.0

## 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)

	Truck		Trailer	
	Heaped payload	Water level payload	Heaped payload	Water level payload
Variant 14	2.700	2.500	2.700	2.500

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

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 1, there is a minimum mass requirement for the drive axle group. The mass on the drive axle group must be at least 26% of the total combination mass e.g. at 48.5t total combination mass,  $48.5 \times 0.26 = 12.61\text{t}$  is required on the drive axle group. This clause does not apply to an unladen vehicle.
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 48.5t total combination mass,  $48.5 \times 0.197 = 9.55\text{t}$  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*

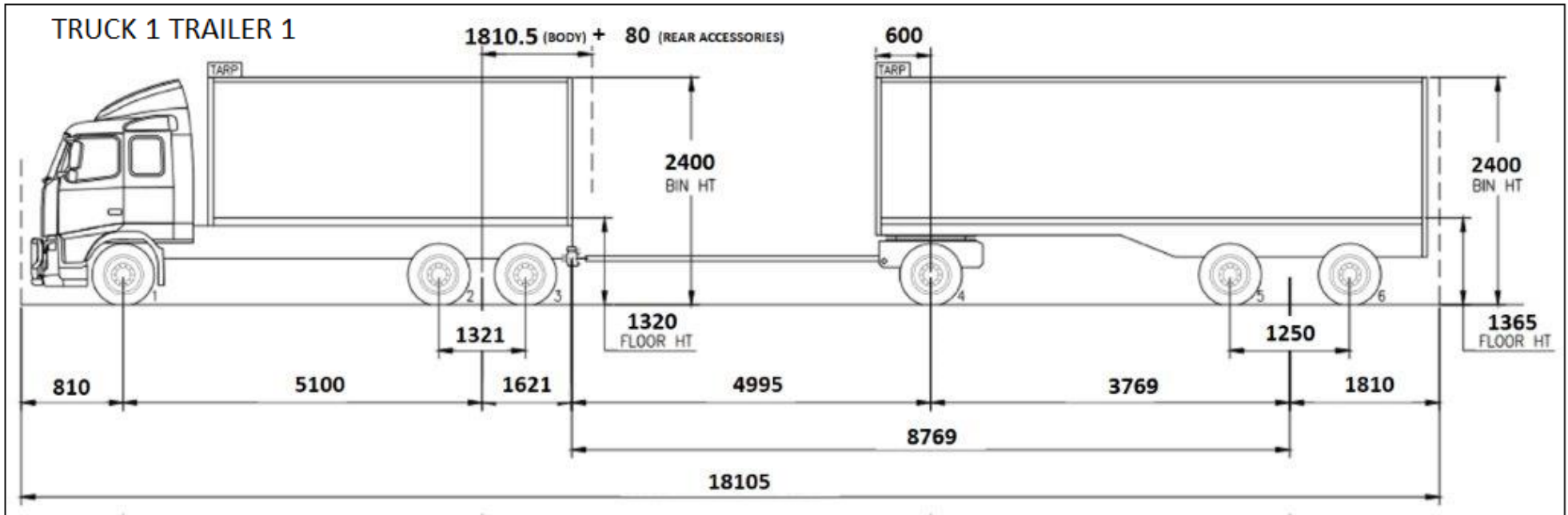
The following table lists exemptions from prescribed vehicle standards that have been granted for the vehicle(s) in this vehicle approval.

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*



### Approved tyre options—Variant 14

**Steer –**

*6.5t axle mass limit*

- **11R22.5** (Load Index **149** or higher, single configuration)
- **295/80R22.5** (Load Index **152** or higher, single configuration)
- **305/70R22.5** (Load Index **150** or higher, single configuration)
- **315/70R22.5** (Load Index **152** or higher, single configuration)
- **315/80R22.5** (Load Index **156** or higher, single configuration)
- **385/65R22.5** (Load Index **158** or higher, single configuration)

*6.0t axle mass limit*

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

**Drive –**

- **295/80R22.5** (Load Index **148** or higher, dual configuration)
- **11R22.5** (Load Index **144** or higher, dual configuration)

**Trailer –**

- **11R22.5** (Load Index **145** or higher, dual configuration)
- **275/70R22.5** (Load Index **148** 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 V201027.

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–V201027 –VA13334.



Laszlo (Les) Bruzsa  
 Chief Engineer  
 National Heavy Vehicle Regulator  
 Dated: 26/04/23

### Revision table

N	VA	Vers	Brief description	Date
1	13334	1A	First issue.	26/04/23

## General access for a specified PBS vehicle

The vehicle combination(s) listed in this PBS Vehicle Approval qualify for general access to the road network under the *specified PBS vehicle* provisions of the Heavy Vehicle National Law. A specified PBS vehicle must comply with all applicable requirements of Schedule 1 of the *Heavy Vehicle (Mass, Dimension and Loading) National Regulation* (HV(MDL)NR).

## Specified PBS vehicle mass limits

1. The maximum allowable mass of a specified PBS vehicle is the lesser of the maximum PBS Level 1 GML stated in this Vehicle Approval and the relevant mass limit prescribed in Part 1, section 2, Schedule 1 of the HV(MDL)NR.
2. The maximum allowable mass of an axle group on a specified PBS vehicle is the lesser of the maximum PBS Level 1 GML axle group mass limit stated in this Vehicle Approval and the axle group mass limit prescribed in “Table 1—Axle mass limits table” in Schedule 1 of the HV(MDL)NR.
3. The maximum allowable mass between any two axles or axle groups on a specified PBS vehicle is the relevant prescribed mass limit in “Table 2—Axle spacing mass limits general table” in Schedule 1 of the HV(MDL)NR.

## Specified PBS vehicle operating conditions

1. When operating as a general access vehicle, a specified PBS vehicle must comply with all operating conditions of its Vehicle Approval that apply at Level 1. This includes payload heights, the drive axle mass requirement, approved tyre options and all operating conditions that do not specify a level of access.
2. The regulation includes a requirement about towing ratios. Loading and unloading must be managed so that the trailer mass does not exceed the mass of the towing vehicle.

## For more information

For more information visit our [PBS vehicle access permit page](#) under Access management.

## Disclaimer

The information on this page is general guidance only and does not constitute legal advice. Consider whether you require Independent legal advice to address your particular circumstances.

## 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](http://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](mailto: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.