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.

18 August 2020

Ref No: PBS – V100501 – VA8027 – MaxiTRANS Australia / Haack Logistics Group – v1A

This PBS Vehicle Approval modifies any previously issued approval for the vehicle(s) listed herein operating under Application Number V100501.

The vehicle(s) listed herein qualify for general access under the specified PBS vehicle provision of the HVNL. See 'General access for a specified PBS vehicle' section of this document.

Applicant details	Gareth Allen MaxiTRANS Australia PO Box 62 Wendouree VIC 3355	Operator	Haack Logistics Group 99 Gould Hill Rd Gleneagle QLD 4285

Application Number	V100501	Vehicle	3-axle truck 4-axle dog
Load	Quarry and Bulk	Length (mm)	≤ 19700
Assessor	Hans Prem	Height (mm)	≤ 4300

Mass Limits	Level 1	Level 2
GML (t)	50.5	56.0
CML (t)	NA	57.5
HML (t)	NA	57.5
Bridge Assessment	Tier 1	

Axle Group Masses	Level 1	Level 2	
	GML	GML	CML HML
Steer (t)	6.5	6.5	6.5
Drive (t)	16.5	16.5	17.0
Trailer Front (t)	13.75	16.5	17.0
Trailer Rear (t)	13.75	16.5	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 bin heights measured from the ground must not exceed: (m)

	Truck	Trailer
1	2.850	2.880

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

	Truck	Trailer
1	2.850	2.880

6. 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.
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.
9. When the trailer mass exceeds the truck mass, at least 16t on the drive axle group is required. This clause does not apply for 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	Schedule 6, Section 3 (Length – General)
HV(VS)NR	NA

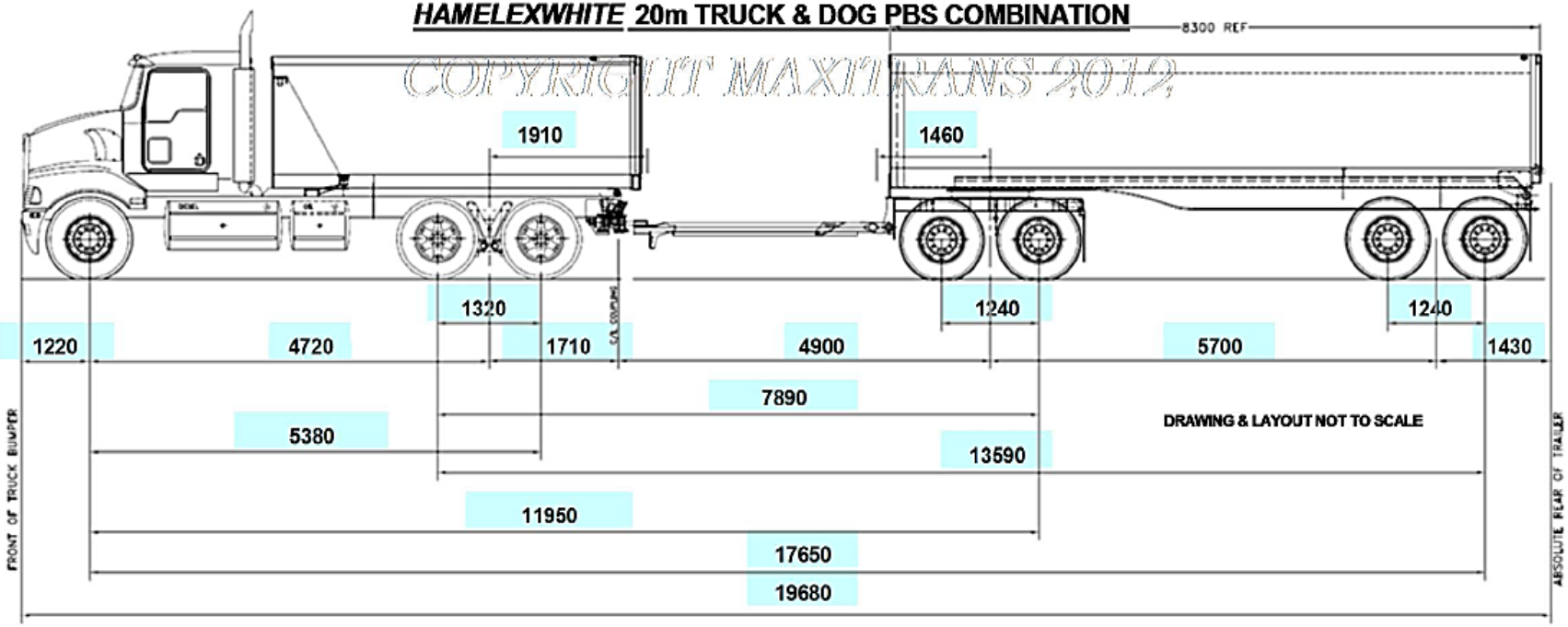
ADR	Australian Design Rules
HV(MDL)NR	*Heavy Vehicle (Mass, Dimension and Loading) National Regulation*
HV(VS)NR	*Heavy Vehicle (Vehicle Standards) National Regulation*

DIMENSIONS IN MILLIMETRES DO NOT SCALE IF IN DOUBT ASK

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ISSUE	REVISION	DRAWN	APPR	DATE

HAMELEXWHITE 20m TRUCK & DOG PBS COMBINATION



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PBS LAYOUT: 83306-82725-0001		A4	83306-82725-0001-PBS

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

Make	Kenworth
Model	T403
VIN(s)	6F5000000CA447424
Engine make/ model/ rating	Cummins ISX, 450 HP
Transmission make/ model	Fuller RTLO18918B
Differential make/ model/ FD ratio	Meritor RT46 160GP, Ratio 4.3
Suspension make/ model (Steer)	Kenworth Leaf 7.2 t
Suspension make/ model (Drive)	Airglide 460
Tyres make/ size/ model (Steer)	295/80R22.5 Bridgestone
Tyres make/ size/ model (Drive)	11R22.5 Bridgestone
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS
Tow coupling make/ D rating	Ringfeder Type 202 AUS, D=285 kN
Wheelbase (mm)	4720
Vehicle height (Measured from the ground) (mm)	2850
Number of axles	3
ADR category	NC
GVM (kg)	26,500
GCM (kg)	70,000
Comments/ notes:	

Details of trailer(s) or dolly(s)

Type	Tipping Dog Trailer
Make	HXW
Model	D-4
VIN(s)	6F80000000B082725
Suspension make/ model	Meritor CS9
Tyres make/ size/ model	11R22.5 Bridgestone
Drawbar length (mm)	4900
Coupling make/ D rating	V.Orlandi, D = 314 kN
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS
Wheelbase (mm)	5700
Vehicle height (Measured from the ground) (mm)	2880
Number of axles	4
ADR category	TD
ATM (kg)	34,000
Comments/ notes:	

Approved tyre options

Steer –

- **11R22.5, 295/80R22.5** Michelin, Bridgestone, Firestone, Goodyear, Dunlop, Continental, Ohtsu/ Falken/ Sumitomo, Kumho, Hankook, Chao Yang, Goodride, Toyo, Semperit, Windpower, Windforce, Aeolus, Haulmax, Yokohama, Boto

Drive –

- **11R22.5, 295/80R22.5** Michelin XZA2+, X Multi D, XDE2+, XDE M/S, XDY3, Bridgestone M711, M722, M733, M726, M766, M729, M749, M822, M840, Goodyear G367 (G667), Dunlop SP430, SP431, Firestone FD663, Hankook DH05, DL10, AH22, AH22+, AH33, AM06 (11R22.5 only), Z35A, Goodride MD738, CM333, Continental HDR2+, HD Hybrid, Triangle TR688, Remington R628, Kumho KMD01, Haulmax ATT307, ATT101, ATT202

Trailer –

- **11R22.5, 295/80R22.5** Michelin XZA2+, XTE2, XTA2 Energy, X Multi T, X Multi Z, Bridgestone R187, R295, R109, R168, Continental HTR, HT3, HS Hybrid, Hankook TH22, TH06Z, AH22+, AH22, AH33, AM06 (11R22.5 only), Firestone T559, FS567, Dunlop SP430, Remington R628, Goodyear LHT, LHT II, Triangle TRS01, Goodride CR960A, CR926D, Chao Yang CR976A, Toyo M122, Ohtsu R1200, Haulmax ATT101, ATT202

Retread or regroove tyres are permitted, provided they are certified by the manufacturer that its performance is equivalent to a new tyre.

Tyre load ratings must be appropriate for the axle mass.

Tyres listed herein are specific for PBS application number V100501.

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 approves this PBS Vehicle Approval PBS–V100501 –VA8027.



Laszlo (Les) Bruzsa
Chief Engineer
National Heavy Vehicle Regulator
Dated: 18/08/20

Revision table

N	VA	Vers	Brief description	Date
1	8027	1A	First issue. Re-issue in new format with VA number	18/08/20

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

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.