

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.

22 January 2021

Ref No: PBS – V170819 – VA8635 – Shephard Transport Equipment / Col Moore & Sons – v1A

This PBS Vehicle Approval modifies any previously issued approval for the vehicle(s) listed herein operating under Application Number V170819 and is a modification of VA7814.

Applicant details		Operator	
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Application Number	V170819	Vehicle	3-axle truck 4-axle dog
Load	Quarry and Bulk	Length (mm)	≤ 19950
Assessor	Daniel Nolan	Height (mm)	≤ 4300

Combination matrix

For each truck and trailer, the corresponding drawing and dimension set number is listed. The dimension set number (e.g. North American Variant) indicates the maximum allowable payload heights and/or allowable tyre options for the specific combination (refer to payload height operating conditions and approved tyre options). Additional vehicle units are listed in bold.

		6V9T24STEJC075040	6V9T24STEKC075013 6V9T24STEKC075020	6V9T24STEJC075027	6V9T24STEKC075024	6V9T24STEKC075047	6V9T24STELC075006 6V9T24STELC075026
		Trailer 1	Trailer 2	Trailer 3	Trailer 4	Trailer 5	Trailer 6
5KKHBEDR2KPKW0203	Truck 1	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant
6F5000000JA462377	Truck 2	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant
5KKHBEDR3GPHM7355 5KKHBEDR4KPKW0204	Truck 3	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant	TH740C North American Variant

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	2.840	2.970
2	2.920	2.970
3	2.900	2.970
4	NA	2.920
5	NA	2.970
6	NA	2.970

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

North American Variant	Level 1		Level 2	
	Heaped payload	Water level payload	Heaped payload	Water level payload
Truck	NA	2.920	NA	2.920
Trailer		3.000		2.950

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

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 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 50.5t total combination mass, $50.5 \times 0.26 = 13.1\text{t}$ is required on the drive axle group. This clause does not apply to an unladen vehicle.
10. 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 56t total combination mass, $56 \times 0.197 = 11\text{t}$ 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.

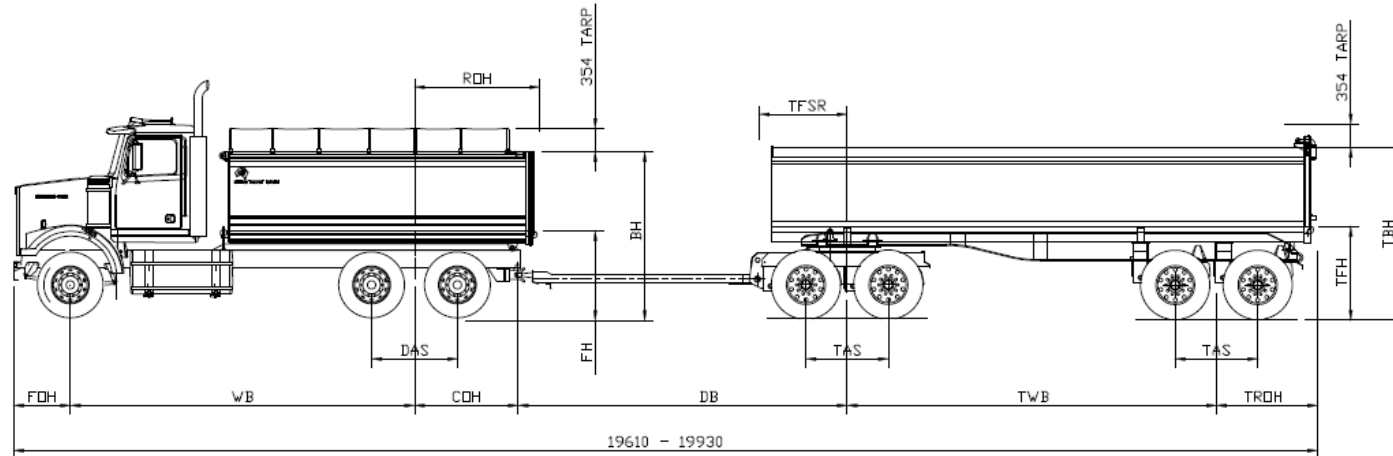
Exemptions	
ADR	NA
HV(MDL)NR	Schedule 6, Section 3 (Length – General)
HV(VS)NR	NA

ADR Australian Design Rules

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

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

TRUCK 1, 2, 3
TRAILER 1, 2, 3, 4, 5, 6



	FOH	WB	COH	DAS	FH	BH	ROH
TRUCK 1	870	5110	1565	1300	1340	2840	1850
TRUCK 2	850	5400	1550	1320	1370	2920	1900
TRUCK 3	870	5110	1530	1300	1350	2900	1730
	DB	TWB	TROH	TFSR (RADIUS)	TFH	TBH	TAS
TRAILER 1	5000	5600	1510	R1825	1420	2970	1250
TRAILER 2	5000	5600	1530	R1825	1420	2970	1250
TRAILER 3	4990	5600	1520	R1825	1420	2970	1250
TRAILER 4	5000	5600	1525	R1818	1420	2920	1250
TRAILER 5	4990	5600	1510	R1825	1420	2970	1250
TRAILER 6	4990	5600	1510	R1825	1420	2970	1250

CONFIDENTIAL THIS DRAWING IS THE PROPERTY OF SHEPHARD TRANSPORT EQUIPMENT AND MUST NOT BE USED OR DISCLOSED IN PART OR IN FULL TO A THIRD PARTY WITHOUT THE WRITTEN CONSENT OF SHEPHARD TRANSPORT EQUIPMENT. THIS DRAWING SHALL NOT BE COPIED BY ANY MEANS WHATSOEVER AND MUST BE RETURNED UPON REQUEST.												A3			 SHEPHARD TRANSPORT EQUIPMENT											
															WESTERNSTAR 4800FS/2 AND FOUR AXLE DOG TRAILER PBS PROPOSAL											
												DRAWN HXB			COL MOORE & SONS											
												APPROVED GMW			DATE 18/06/20		SCALE NTS		PARTS LIST		DWG NO TH740C		REV ORIG			
REV			DATE			APP'D			CHANGE																	

Details of truck(s) or prime mover(s) – Truck 1

Make	Western Star
Model	4800FS/2
VIN(s)	5KKHBEDR2KPKW0203
Engine make/ model/ rating	Cummins ISX e5 500Hp ADR 80/03
Transmission make/ model	RTLO20918B
Differential make/ model/ FD ratio	Meritor RT46-160GO 4.30
Suspension make/ model (Steer)	Western Star Leaf Spring 7.25t
Suspension make/ model (Drive)	Airliner 46K RF2013
Tyres make/ size/ model (Steer)	295/80R22.5 Michelin X Multiway 3D XZE
Tyres make/ size/ model (Drive)	11R22.5 Michelin X Multi D
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS
Tow coupling make/ D rating	Ringfeder 303AUS D=320kN
Wheelbase (mm)	5110
Vehicle height (Measured from the ground) (mm)	2840
Number of axles	3
ADR category	NC
GVM (kg)	27,400
GCM (kg)	90,500
Comments/ notes:	

Details of truck(s) or prime mover(s) – Truck 2

Make	Kenworth
Model	T909
VIN(s)	6F5000000JA462377
Engine make/ model/ rating	Cummins / X15-485 505hp / 2,508Nm ADR80/03
Transmission make/ model	Eaton / RTLO-22918B
Differential make/ model/ FD ratio	Meritor / RT46-160GP / FDR – 4.30:1
Suspension make/ model (Steer)	Kenworth / Parabolic
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 – 320kN / 34.00 tonne
Wheelbase (mm)	5400
Vehicle height (Measured from the ground) (mm)	2920
Number of axles	3
ADR category	NC
GVM (kg)	27,800
GCM (kg)	97,000
Comments/ notes:	

Details of truck(s) or prime mover(s) – Truck 3

Make	Westernstar
Model	4800FS/2
VIN(s)	5KKHBEDR3GPHM7355
Engine make/ model/ rating	Detroit DD15 560Hp ADR 80/03
Transmission make/ model	RTLO20918B
Differential make/ model/ FD ratio	Meritor RT46-160G 4.30
Suspension make/ model (Steer)	Westernstar Leaf Spring 7.25t
Suspension make/ model (Drive)	Airliner 46K RF2013
Tyres make/ size/ model (Steer)	295/80R22.5 Hankook AH31+
Tyres make/ size/ model (Drive)	11R22.5 Hankook DH16
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS
Tow coupling make/ D rating	Ringfeder 303AUS D=320kN
Wheelbase (mm)	5110
Vehicle height (Measured from the ground) (mm)	2900
Number of axles	3
ADR category	NC
GVM (kg)	27,400
GCM (kg)	90,500
Comments/ notes:	

Details of truck(s) or prime mover(s) – Truck 3

Make	Westernstar
Model	4800FS/2
VIN(s)	5KKHBEDR4KPKW0204
Engine make/ model/ rating	Detroit DD15 560Hp ADR 80/03
Transmission make/ model	RTLO20918B
Differential make/ model/ FD ratio	Meritor RT46-160G 4.30
Suspension make/ model (Steer)	Westernstar Leaf Spring 7.25t
Suspension make/ model (Drive)	Airliner 46K RF2013
Tyres make/ size/ model (Steer)	295/80R22.5 Michelin X Multiway 3D XZE
Tyres make/ size/ model (Drive)	11R22.5 Michelin X Multi D
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS
Tow coupling make/ D rating	Ringfeder 303AUS D=320kN
Wheelbase (mm)	5110
Vehicle height (Measured from the ground) (mm)	2900
Number of axles	3
ADR category	NC
GVM (kg)	27,400
GCM (kg)	90,500
Comments/ notes:	

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

Type	Drawbar Trailer
Make	Shephard Transport Equipment
Model	4 Axle Tipper Dog
VIN(s)	6V9T24STEJC075040
Suspension make/ model	1 st bogie - York / Duratrac 280RH RF2001 2 nd bogie - York / Duratrac 360RH RF2001
Tyres make/ size/ model	11R22.5 Bridgestone R168 11R22.5 Dunlop SP430
Drawbar length (mm)	5000
Coupling make/ D rating	Ballrace BPW DK90-16 / 60,000 kg
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS / EBS on 1 st & 3 rd Axles
Wheelbase (mm)	5600
Vehicle height (Measured from the ground) (mm)	2970
Number of axles	4
ADR category	TD
ATM (kg)	34,000
Comments/ notes:	

Details of trailer(s) or dolly(s) – Trailer 2

Type	Drawbar Trailer
Make	Shephard Transport Equipment
Model	4 Axle Tipper Dog
VIN(s)	6V9T24STEKC075013 6V9T24STEKC075020
Suspension make/ model	1 st bogie - York / Duratrac 280RH RF2001 2 nd bogie - York / Duratrac 360RH RF2001
Tyres make/ size/ model	11R22.5 Bridgestone R168 11R22.5 Dunlop SP430
Drawbar length (mm)	5000
Coupling make/ D rating	Ballrace KHITCH 90S-1000 / 190kN
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS / EBS on 1 st & 3 rd Axles
Wheelbase (mm)	5600
Vehicle height (Measured from the ground) (mm)	2970
Number of axles	4
ADR category	TD
ATM (kg)	34,000
Comments/ notes:	

Details of trailer(s) or dolly(s) – Trailer 3

Type	Drawbar Trailer
Make	Shephard Transport Equipment
Model	4 Axle Tipper Dog
VIN(s)	6V9T24STEJC075027
Suspension make/ model	1 st bogie - York / Duratrac 280RH RF2001 2 nd bogie - York / Duratrac 360RH RF2001
Tyres make/ size/ model	11R22.5 Bridgestone R168 11R22.5 Dunlop SP430
Drawbar length (mm)	4990
Coupling make/ D rating	Ballrace BPW DK90-16 / 60,000 kg
Brakes (Load Proportioning, ABS, ECB, etc.)	ABS / EBS on 1 st & 3 rd Axles
Wheelbase (mm)	5600
Vehicle height (Measured from the ground) (mm)	2970
Number of axles	4
ADR category	TD
ATM (kg)	34,000
Comments/ notes:	

Details of trailer(s) or dolly(s) – Trailer 4

Type	4 Axle Dog Trailer
Make	Shephard Transport Equipment
Model	A4DOG-300T
VIN(s)	6V9T24STEKC075024
Suspension make/ model	Dolly – York Duratrac 280mm RH RF2001 Rear – York Duratrac 360mm RH RF2001
Tyres make/ size/ model	11R22.5 Bridgestone R168
Drawbar length (mm)	5000
Coupling make/ D rating	KHitch 90S/1000 Ballrace D=190kN
Brakes (Load Proportioning, ABS, ECB, etc.)	EBS
Wheelbase (mm)	5600
Vehicle height (Measured from the ground) (mm)	2920
Number of axles	4
ADR category	TD
ATM (kg)	35,000
Comments/ notes:	

Details of trailer(s) or dolly(s) – Trailer 5

Type	4 Axle Dog Trailer
Make	Shephard Transport Equipment
Model	A4DOG-300T
VIN(s)	6V9T24STEKC075047
Suspension make/ model	Dolly – Hendrickson Intraax AAL230 12" RH RF2008 Rear – Hendrickson Intraax AAT230 15" RH RF2008
Tyres make/ size/ model	11R22.5 Bridgestone R168
Drawbar length (mm)	4990
Coupling make/ D rating	KHitch 90S/1000 Ballrace D=190kN
Brakes (Load Proportioning, ABS, ECB, etc.)	EBS
Wheelbase (mm)	5600
Vehicle height (Measured from the ground) (mm)	2970
Number of axles	4
ADR category	TD
ATM (kg)	35,000
Comments/ notes:	

Details of trailer(s) or dolly(s) – Trailer 6

Type	4 Axle Dog Trailer
Make	Shephard Transport Equipment
Model	A4DOG-300T
VIN(s)	6V9T24STELC075006
Suspension make/ model	Dolly – Hendrickson Intraax AAL230 12"RH RF2008 Rear – Hendrickson Intraax AAT230 15"RH RF2008
Tyres make/ size/ model	11R22.5 Bridgestone R168 11R22.5 Dunlop SP430
Drawbar length (mm)	4990
Coupling make/ D rating	KHitch 90S/1000 Ballrace D=190kN
Brakes (Load Proportioning, ABS, ECB, etc.)	EBS
Wheelbase (mm)	5600
Vehicle height (Measured from the ground) (mm)	2970
Number of axles	4
ADR category	TD
ATM (kg)	34,000
Comments/ notes:	

Details of trailer(s) or dolly(s) – Trailer 6

Type	4 Axle Dog Trailer
Make	Shephard Transport Equipment
Model	A4DOG-300T
VIN(s)	6V9T24STELC075026
Suspension make/ model	Dolly – SAF Intradrum IU series RF2002 Rear – SAF Intradrum IO series RF2002
Tyres make/ size/ model	11R22.5 Bridgestone R168 11R22.5 Dunlop SP430
Drawbar length (mm)	4990
Coupling make/ D rating	Jost KDKDR4100010K D=160kN
Brakes (Load Proportioning, ABS, ECB, etc.)	EBS
Wheelbase (mm)	5600
Vehicle height (Measured from the ground) (mm)	2970
Number of axles	4
ADR category	TD
ATM (kg)	35,000
Comments/ notes:	

Approved tyre options – Option 1 (North American Variant)

Steer –

- non-brand specific 22.5-inch rim diameter

Drive and Trailer –

DRIVE TYRES	TRAILING UNIT TYRES																							
	Advance GL274A 11R22.5	Aeolus ASR30 275/70R22.5	Aeolus HN06 11R22.5	Aeolus HN08 11R22.5	Aeolus HN266 11R22.5	Austyre ST01 11R22.5	BFGoodrich Route Control S 11R22.5	BFGoodrich ST270 11R22.5	Boto BT168 11R22.5	Boto BT370 11R22.5	Bridgestone 11R22.5	Bridgestone 275/70R22.5	Bridgestone R168 11R22.5	Chao Yang CR906 275/70R22.5	Chao Yang CR926D 11R22.5	Chao Yang CR960A 11R22.5	Chao Yang CR976A 275/70R22.5	Continental HSC1 11R22.5	Continental HSR1 275/70R22.5	Continental HT3 11R22.5	Continental HTR 11R22.5	Dunlop 11R22.5	Dunlop 275/70R22.5	Falken GI377 11R22.5
Advance GL274A 11R22.5																								
Aeolus ADC53 11R22.5																								
Aeolus HN08 11R22.5																								
Aeolus HN266 11R22.5																								
Austyre Cougar 11R22.5																								
Austyre Raptor 11R22.5																								
Boto BT168 11R22.5																								
Bridgestone 11R22.5																								
Bridgestone 295/80R22.5																								
Chao Yang CM333 11R22.5																								
Continental HD HYBRID 295/80R22.5																								
Continental HDC1 295/80R22.5																								
Continental HDR2+ 11R22.5																								
Continental HSC1 11R22.5																								
Continental HSC1 295/80R22.5																								
Dunlop 11R22.5																								
Dunlop 295/80R22.5																								
Falken GI377 11R22.5																								
Falken GI388 11R22.5																								
Falken RI128 11R22.5																								
GT Radial GSR225 295/80R22.5																								
GT Radial GT01 11R22.5																								
GT Radial GT276 11R22.5																								
GT Radial GT669+ 11R22.5																								
General Tire RA 11R22.5																								
GITI GSR225 295/80R22.5																								
GITI GT01 11R22.5																								
GITI GT276 11R22.5																								
GITI GT669+ 11R22.5																								
Golden Crown AZ126 11R22.5																								
Goodride AD757 11R22.5																								
Goodride CM958 295/80R22.5																								
Goodride CM983 11R22.5																								
Goodride MD738 11R22.5																								
Goodyear 11R22.5																								

A cell that is denoted by a ‘•’ indicates a permissible combination of drive and trailing unit tyres. Cells that are blank are not permitted.

Retread tyres are permitted on the steer axle.

Retread tyres are permitted on the drive and trailer axles, 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 V170819.

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

Approved tyre options – Option 1 (North American Variant)

Steer –

- non-brand specific 22.5-inch rim diameter

Drive and Trailer –

DRIVE TYRES	TRAILING UNIT TYRES																																								
	Golden Crown AT160 11R22.5	Golden Crown AZ126 11R22.5	Goodride A5678 11R22.5	Goodride CB972 11R22.5	Goodride CR926D 11R22.5	Goodride CR950A 11R22.5	Goodride CR976A 275/70R22.5	Goodyear 11R22.5	Goodyear 275/70R22.5	Hankook AH22 11R22.5	Hankook AM06 11R22.5	Hankook AM15 275/70R22.5	Hankook TH06 11R22.5	Hankook TH22 11R22.5	Hankook TH22 275/70R22.5	Hankook TM22 11R22.5	Haulmax ATT101 11R22.5	Haulmax ATT101 275/70R22.5	Haulmax ATT103 11R22.5	Haulmax ATT202 11R22.5	Haulmax ATT308 11R22.5	Hilo 100 11R22.5	Hilo 660 11R22.5	Jinyu JY601 11R22.5	Kumho KRT01 275/70R22.5	Kumho KRT03 11R22.5	Michelin 11R22.5	Michelin 275/70R22.5	Michelin XTA2 Energy 275/70R22.5	O'Green AG168 11R22.5	O'Green AG516 275/70R22.5	Remington R628 11R22.5	Sportrak BVS98 11R22.5	Steelmark AHS 11R22.5	Triangle TR656 275/70R22.5	Triangle TR666 11R22.5	Triangle TR668 11R22.5	Triangle TRS01 11R22.5	Westlake CR926D 11R22.5	Yokohama BVS588 11R22.5	
Advance GL274A 11R22.5																																									
Aeolus ADC53 11R22.5																																									
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Continental HDR2+ 11R22.5																																									
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General Tire RA 11R22.5																																									
GiTi GSR225 295/80R22.5																																									
GiTi GT01 11R22.5																																									
GiTi GT276 11R22.5																												</													

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Retread tyres are permitted on the steer axle.

Retread tyres are permitted on the drive and trailer axles, 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 V170819.

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

Approved tyre options – Option 1 (North American Variant)

Steer –

- non-brand specific 22.5-inch rim diameter

Drive and Trailer –

DRIVE TYRES	TRAILING UNIT TYRES																																							
	Advance GL274A 11R22.5	Aeolus ASR30 275/70R22.5	Aeolus HN06 11R22.5	Aeolus HN08 11R22.5	Aeolus HN266 11R22.5	Austyre ST01 11R22.5	BFGoodrich Route Control S 11R22.5	BFGoodrich ST270 11R22.5	Boto BT168 11R22.5	Boto BT370 11R22.5	Bridgestone 11R22.5	Bridgestone 275/70R22.5	Bridgestone R168 11R22.5	Chao Yang CR906 275/70R22.5	Chao Yang CR926D 11R22.5	Chao Yang CR960A 11R22.5	Chao Yang CR976A 275/70R22.5	Continental HSC1 11R22.5	Continental HSR1 275/70R22.5	Continental HT3 11R22.5	Continental HTR 11R22.5	Dunlop 11R22.5	Dunlop 275/70R22.5	Falken GI377 11R22.5	Falken GI388 11R22.5	Falken Ohtsu R1200 11R22.5	Falken Ohtsu R3200 11R22.5	Falken R1128 11R22.5	Firestone T559 11R22.5	Firestone T559 275/70R22.5	GT Radial GT01 11R22.5	GT Radial GT276 11R22.5	GT Radial GT276 275/70R22.5	GT Radial GT279 275/70R22.5	General Tire RA 11R22.5	Giti GT276 11R22.5	Giti GT276 275/70R22.5	Giti GT279 275/70R22.5		
Goodyear 295/80R22.5																																								
Hankook AH11 295/80R22.5																																								
Hankook AH22 11R22.5																																								
Hankook AH22+ 295/80R22.5																																								
Hankook AH22R 295/80R22.5																																								
Hankook AH33 295/80R22.5																																								
Hankook AL10 295/80R22.5																																								
Hankook AM06 11R22.5																																								
Hankook AM06 295/80R22.5																																								
Hankook DH03 11R22.5																																								
Hankook DH03 295/80R22.5																																								
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Hankook DH16 11R22.5																																								
Hankook DL02 11R22.5																																								
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Michelin 11R22.5																																								
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Tyres listed herein are specific for PBS application number V170819.

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Approved tyre options – Option 1 (North American Variant)

Steer –

- non-brand specific 22.5-inch rim diameter

Drive and Trailer –

DRIVE TYRES	TRAILING UNIT TYRES																							
	Golden Crown ATL160 11R22.5	Golden Crown AZ126 11R22.5	Goodride AG78 11R22.5	Goodride CB972 11R22.5	Goodride CR926D 11R22.5	Goodride CR960A 11R22.5	Goodride CR976A 275/70R22.5	Goodyear 11R22.5	Goodyear 275/70R22.5	Hankook AH22 11R22.5	Hankook AM06 11R22.5	Hankook AM15 275/70R22.5	Hankook TH06 11R22.5	Hankook TH22 11R22.5	Hankook TH22 275/70R22.5	Hankook TM22 11R22.5	Haulmax ATT101 11R22.5	Haulmax ATT101 275/70R22.5	Haulmax ATT103 11R22.5	Haulmax ATT202 11R22.5	Haulmax ATT308 11R22.5	Hilo 100 11R22.5	Hilo 660 11R22.5	Jinyu JY601 11R22.5
Goodyear 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook AH11 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook AH22 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook AH22+ 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook AH22R 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook AH33 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook AL10 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook AM06 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook AM06 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DH03 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DH03 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DH05 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DH06 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DH16 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DL02 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DL07 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DL10 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DL11 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DM03 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DM04 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook DM09 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hankook Z35A 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Haulmax ATT101 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Haulmax ATT202 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Haulmax ATT307 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hilo 660 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Jinyu JY601 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Kumho KR001 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Loadrunner LR835D 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Michelin 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Michelin 295/80R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
O'Green AG677 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Remington R425 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Triangle TR666 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Triangle TR668 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Triangle TR688 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Triangle TRS01 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Westlake CR926D 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Yokohama RY588 11R22.5	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

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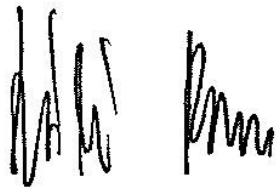
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Tyres listed herein are specific for PBS application number V170819.

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–V170819 –VA8635.



Laszlo (Les) Bruzsa
Chief Engineer
National Heavy Vehicle Regulator
Dated: 22/01/21

Revision table

N	VA	Vers	Brief description	Date
1	5055	1	First issue.	02/07/18
2	6307	1A	Adding 3x trailers to VA5055 (additional VINs listed in bold).	09/04/19
3	7072	1A	Adding 1x truck, 2x trailers to VA6307 (additional VINs listed in bold).	04/11/19
4	7814	1A	Adding 1x truck, 1x trailer, 1x dolly to VA7072 (additional VINs listed in bold).	23/06/20
5	8635	1A	Adding 1x truck, 1x trailer to VA7814 (additional VINs listed in bold).	22/01/21

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](#).