



PORT LOAD CHART

About the Port Load Chart

The Port Load Chart is intended to provide guidance on the maximum allowable loads permitted on wharves, piers and shed floors at PoMC owned facilities within the Port of Melbourne. The details are correct at time of publication but may be subject to variation.

Revisions and Updates

The Port Load Chart will be revised and updated every 12 months. Any significant changes occurring between revisions which materially affects the use of this chart will be sent by the PoMC as a notice to Shipping Agents and Stevedores. It is the responsibility of persons using this chart to ensure that they are referring to the latest version.

Load Categories

The Port Load Chart is only applicable to the standard load categories defined below and in the Standard Loads Diagram – Attachment 1.

Single Axle Load

The maximum single axle load (except fork lifts) is shown in Column A of the Chart. Axles must be a minimum of 2.4m apart to be considered single axles. (Note: VicRoads maximum 9 tonne for standard road registered vehicles)

Tandem Axle Group Load

The maximum tandem axle group load is shown in Column B of the Chart. Axles must be a minimum of 1.2m apart within the group. (Note: VicRoads maximum 16.5 tonne for standard road registered vehicles)

Tri-Axle Group Load

The maximum tri-axle group load is shown in Column C of the Chart. Axles must be a minimum of 1.2m apart within the group. (Note: VicRoads maximum 20 tonne for standard road registered vehicles)



Forklift Front Axle Load

The maximum load on a forklift front axle is shown in Column D of the Chart. Forklifts may exceed the loads shown in Column A, provided the following conditions are met:

- The forklift keeps at least 6m from all other vehicles except the one that is being loaded.
- The maximum axle load does not exceed the amount shown in Column D.

Uniformly Spread Load

The maximum uniformly spread load from cargo stacking over a large area is shown in Column E. This may be exceeded over a small area provided the equivalent axle group load is not exceeded.

Cranes

The maximum crane outrigger loads, with load spreading pads 1m x 1m, shall not exceed half of the maximum load detailed in Column D. Higher loads may be approved for larger approved load spreading devices, refer to Non-Standard Loads.

General

The above axle loads are based on dual tyred wheels (ie, 4 tyres per axle). Where single tyred wheels (ie, 2 tyres per axle) are used, then axle loads shall not exceed the registered load capacity.

Axle loads include the weight of wheels etc. Where spacings are less than the above limits, allowable loads shall be reduced proportionately.

Non-Standard Loads

The above loads are standard design loads for the respective areas. For further information, including the non-standard loads approval process, please contact the PoMC Asset Engineer on 9683 1446. At least 48 hours notice is normally required for special load approval.

Port Load Charts

The maximum standard loads permitted on wharves, piers and shed floors is shown in the following Port Load Chart – Table 1 & 2.



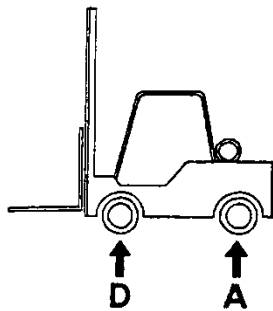
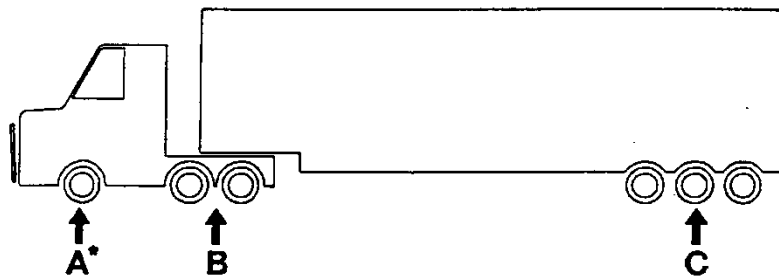
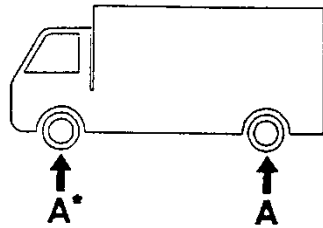
Port Load Chart – Table 1

BERTH No./LOCATION	COL.A SINGLE AXLE (T)	COL.B TANDEM AXLE (T)	COL.C TRI- AXLE (T)	COL.D FORK LIFT (T)	COL.E SPREAD LOADS (T/SQ.m)
SWANSON DOCK East/West					
All Berths	32	52	52	100	4.5
VICTORIA DOCK					
Berth 22 Wharf apron	Wharf closed				
Berth 24 Wharf apron	32	52	52	80	4
Berth 24 Shed floor	14	24	30	20	3
SOUTH WHARF					
24 Wharf loading ramp	14	24	30	20	4
26 Wharf					
• Wharf apron chainage 515 to 590 m	6	10	14	6	0.5
• Wharf apron chainage 590 to 792 m	9	16.5	20	20	1
• Raised concrete deck, landings, berth dolphins	14	16.5	16.5	14	1.25
27 Wharf					
• Wharf apron within 7 m of wharf face	2.5	2.5	3.5	2	0.4
• Wharf beyond 7 m of wharf face	9	16.5	20	14	0.5
• Shed Floor	9	16.5	20	20	3
28 Wharf					
• Apron	16	20	30	20	3
• Former shed floor	16	20	30	20	3
29 Wharf					
• Apron	16	20	30	20	3
• Former shed floor	16	20	30	20	3
30 Wharf					
• Apron	9	16.5	20	14	0.5
• Shed floor	16	20	30	20	3
31 Wharf					
• Apron	9	16.5	20	14	0.5
• Shed floor	9	16.5	20	14	1.5
32 Wharf apron	9	16.5	20	20	1.5
33 Wharf	6	6	6	6	0
NO. 1 MARIBYRNONG					
Pier head	4.2	10	15	5	0.4
Vehicular approaches	9	16.5	20	9	1.0
STATION PIER					
Central roadway	9	16.5	20	9	1.0
Timber areas	9	9	9	9	0.5
East and West pier areas	14	20	20	16	1.0
FOOTSCRAY					
1, 2 & 3 Wharf apron	No vehicles				

Port Load Chart – Table 2

BERTH No./LOCATION	COL.A SINGLE AXLE (T)	COL.B TANDEM AXLE (T)	COL.C TRI- AXLE (T)	COL.D FORK LIFT (T)	COL.E SPREAD LOADS (T/SQ.m)
APPLETON DOCK					
B, C, D & E Appleton Dock Wharves - apron & shed floor – No load within the following areas: <ul style="list-style-type: none"> • Within 2.5m of Favco crane wheels • Front 1.8m width of wharf, with the exception of bulk cargo hoppers which may be located a minimum of 1.2m from the wharf edge. 	20	32	48	60	3
F Wharf apron – No load within the following areas: <ul style="list-style-type: none"> • Front 1.8m width of wharf • Section of wharf between 19m and 26m from the front edge of the wharf • Within 6m of grain shiploader wheels, with the exception of one T44 truck only 	20	32	48	60	4
HOLDEN OIL DOCK					
Pier head & vehicular approaches	9	16.5	20	9	0.5
YARRAVILLE					
5 Wharf apron	Refer to berth operator for details				
6 Wharf apron	No vehicles				
<ul style="list-style-type: none"> • Chainage 0 to 30m • Chainage 30 to 235m 	9	16.5	20	9	0.5
	Bulk cargo hopper 52t gross				
WEBB DOCK EAST					
1 Wharf apron	10	16.5	20	20	1
1 Stern approach	32	52	52	80	3
2 Wharf apron	24	40	42	34	4
2 Stern approach	32	52	52	50	6
3 Stern approach & wharf	32	52	52	50	3
4 Stern approach	32	52	52	80	4
4 Wharf apron	32	52	52	80	6
5 Wharf apron	32	52	52	80	6
GELLIBRAND PIER					
<ul style="list-style-type: none"> • Concrete approach road • Pierhead 	9	16.5	20	9	0.9
	14	16.5	20	14	3
BREAKWATER PIER					
<ul style="list-style-type: none"> • Chainage 0 to 70m • Chainage 70m to outer end 	4 tonne gross vehicle load				
	This section of Pier closed				
ANN STREET PIER					
<ul style="list-style-type: none"> • Main timber pier • Depot Wharves 	9	16.5	20	13	1
	9	16.5	20	13	1

Standard Load Diagram



A = SINGLE AXLE

B = TANDEM AXLE

C = TRI-AXLE

D = FORK LIFT

E = UNIFORM LOAD

*** = AXLES WITH ONLY 2 TYRES MAY BE LIMITED - SEE NOTES.**

