

## SECTION 10 BULK PRODUCTS

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- 10.10 Woodchip

For equivalent guidelines in respect of road conveyance, refer to Section 3 of this Manual.

### 10.1 BASIC SAFETY PROCEDURES

The following procedures apply to the transportation of all bulk products.

#### DO...

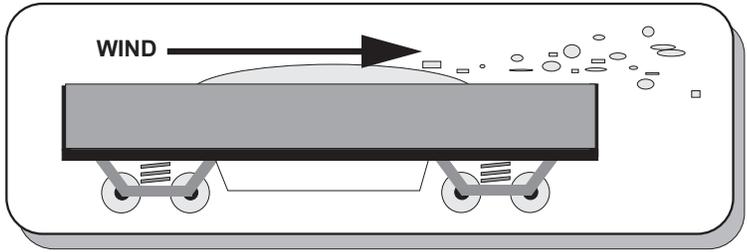
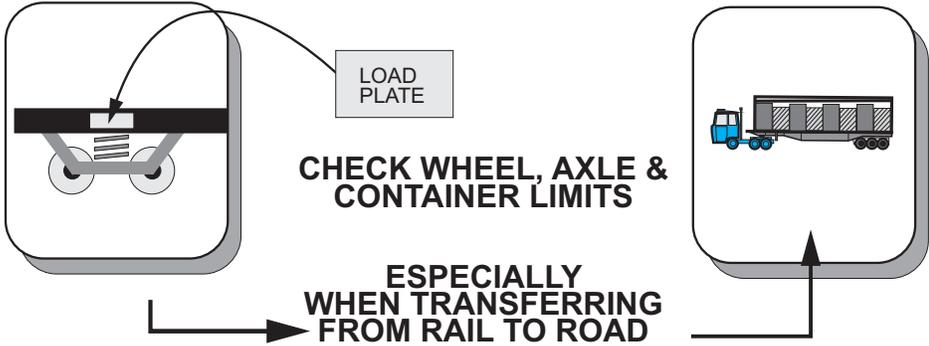
- ✓ **Check** wheel, axle and load limits when **transferring** from **rail to road**. **Lower limits may apply**.
- ✓ **Use covers** to reduce wind and vibration loss.
- ✓ Take **care** when **closing doors**.

#### DO NOT...

- ✗ **DO NOT** move equipment with doors **open even if wagon is empty**.

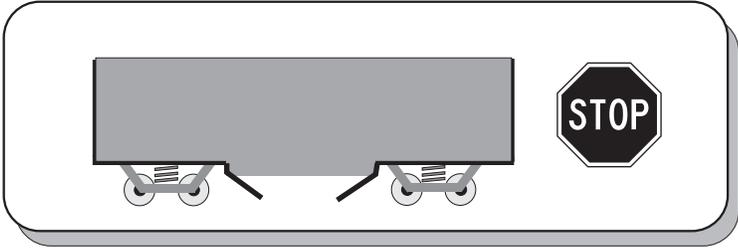
Diagram 10.1 illustrates these points.

**DIAGRAM 10.1 BULK PRODUCT SAFETY PRECAUTIONS**



**CHECK FOR POSSIBLE LOSS DUE TO WIND OR VIBRATION**

**COVER IF NEEDED**



**DO NOT MOVE WITH DOORS OPEN**

**EVEN IF WAGON IS EMPTY**

## 10.2 AGGREGATES

### BEFORE LOADING, DO...

- ✓ Visually **inspect** each wagon unit being loaded.
- ✓ **Reject** any wagon units that contain **contaminants** or **waste** of any kind, especially if it could become mixed in with the aggregate.
- ✓ **Check** all gates, tailboards and tipping mechanisms, doors are **closed and locked** before loading starts.
- ✓ **Check** all **discharge points** are fully **closed** and secured.

### AFTER LOADING, DO...

- ✓ Ensure the load is **evenly distributed**.

## 10.3 CEMENT

### BEFORE LOADING, DO...

- ✓ Visually **inspect** each wagon unit being used.
- ✓ **Check** all **discharge points** are fully **closed** and secured.

### AFTER LOADING, DO...

- ✓ **Check** all **hatches, doors** and **discharge points** are closed and fully secured.
- ✓ Ensure the load is **evenly distributed**.

## 10.4 COAL

### BEFORE LOADING, DO...

- ✓ Check all **discharge points** are fully **closed** and secured.
- ✓ **Reject** any wagon units that contain **contaminants or waste** of any kind, especially if it could become mixed in with the coal.
- ✓ Check all **gates, doors, tailboards and tipping mechanisms** are **closed and locked** before loading starts.
- ✓ Check all **discharge points** are fully **closed** and secured.

### AFTER LOADING, DO...

- ✓ Ensure the load is **evenly distributed**.
- ✓ **Cover** the coal as necessary, to meet the customer's requirements.

## 10.5 CULLET (Broken Glass)

### BEFORE LOADING, DO...

- ✓ Visually **inspect** each wagon unit being loaded.
- ✓ **Reject** any wagon units that contain **contaminants or waste** of any kind, especially if it could become mixed in with the cullet.

### AFTER LOADING, IF COVERING, DO...

- ✓ Ensure the load is evenly distributed
- ✓ Place old or broken pallets on top of the cullet to protect the tarpaulin and netting.

## 10.6 FERTILISER (Including Urea)

### BEFORE LOADING, DO...

- ✓ Visually **inspect** each wagon unit prior to being loaded.
- ✓ **Reject** any wagon units that contain **contaminants or waste** of any kind, especially if it could become mixed in with the fertiliser.
- ✓ **Check** all **gates, hatches, doors, tailboards and tipping mechanisms** are **closed and locked** before loading starts.

### AFTER LOADING, DO...

- ✓ Ensure the load is **evenly distributed**.
- ✓ **Tarp or cover** and ensure that the fertiliser is kept **dry** at all times.

## 10.7 FLOUR

### HYGIENE IS CRITICAL AT ALL TIMES

#### BEFORE LOADING, DO...

- ✓ Check all **discharge points** are fully **closed** and secured.
- ✓ Visually **inspect** each wagon unit prior to being loaded.
- ✓ **Reject** any wagon units that contain **contaminants or waste** of any kind, especially if it could become mixed in with the flour.

#### AFTER LOADING, DO...

- ✓ Check all **hatches, doors and discharge points** are fully **closed**, secured and **sealed**.

## 10.8 GRAIN

### HYGIENE IS CRITICAL AT ALL TIMES

#### BEFORE LOADING, DO...

- ✓ Visually **inspect** each wagon unit prior to being loaded.
- ✓ **Reject** any wagon units that contain **contaminants or waste** of any kind, especially if it could become mixed in with the grain.
- ✓ Check all **hatches, doors and discharge points** are fully **closed** and secured.

#### AFTER LOADING, DO...

- ✓ Check all **hatches, doors and discharge points** are fully **closed**, secured and **sealed**.

A suitable seal is a plastic cable tie of 186 × 4.7 mm.

## 10.9 SCRAP

Scrap comes in many forms.

If it is similar to any of the products in Section 13, then handling and stowage shall be as defined in that Section.

The following guidelines apply to the handling of loose and solid scrap, including 'crushed' cars.

### SOLID SCRAP

#### DO...

- ✓ Ensure **dunnage** is in place.
- ✓ Put all **heavy items** on the **bottom**.
- ✓ Position the load so as to **distribute** the weight **within allowable limits**.
- ✓ Keep the load **within allowed dimensions** and limits.
- ✓ Secure with **chains** and **tensioners**.

### LOOSE SCRAP

#### DO...

- ✓ Use wagon or containers with **fixed sides**.
- ✓ **Secure** with **lashings** and **tarpaulin** over **tyres**.

#### DO NOT...

- ✗ **DO NOT load higher** than the **sides** of the container.
- ✗ **DO NOT protrude** beyond **sides** or **ends** of container.

### CRUSHED MOTOR VEHICLES OR SCRAP 'LOGS'

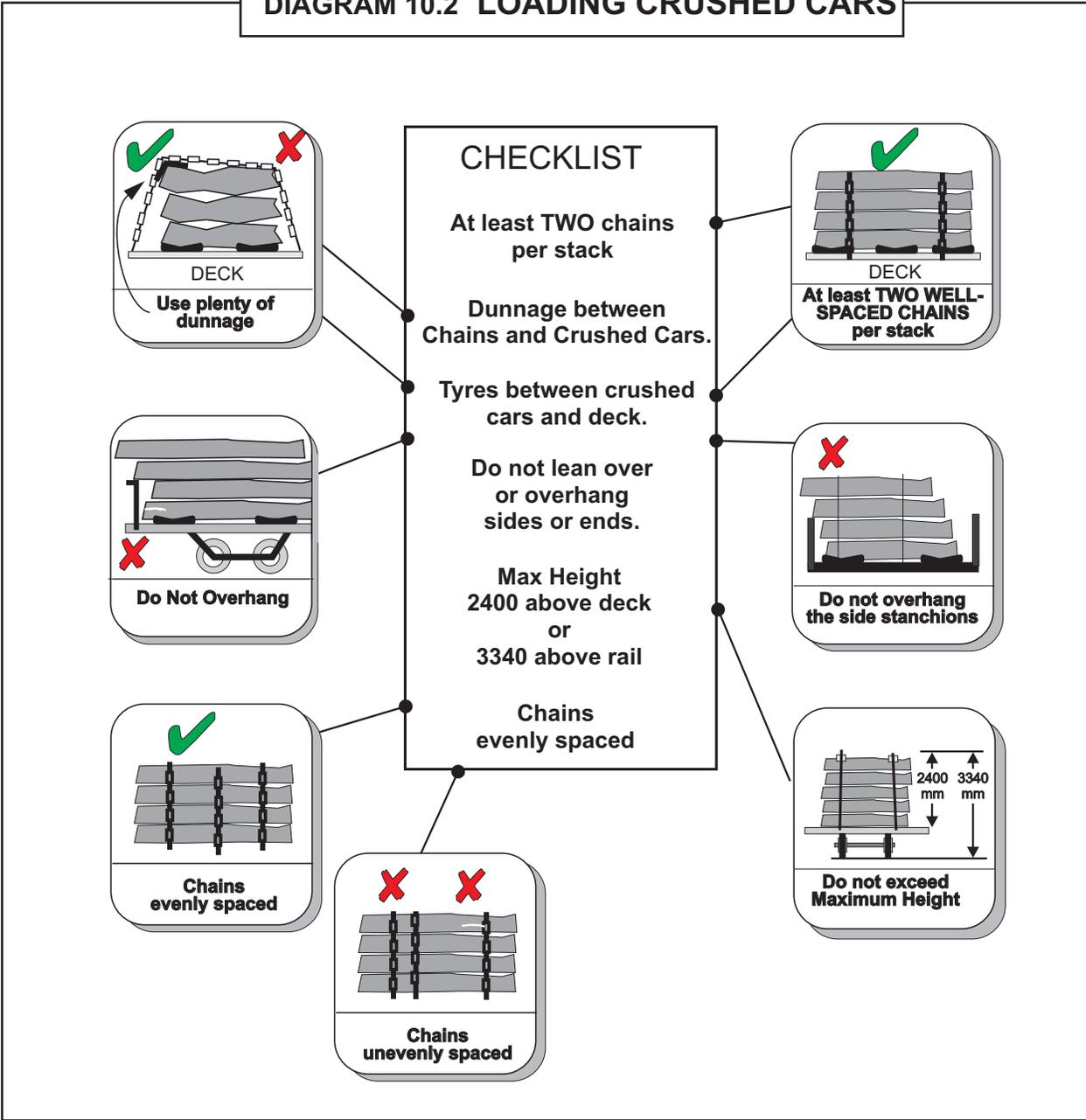
#### DO...

- ✓ Ensure **stanchions** are in place at least every second pocket.
- ✓ Place all packs on **at least two pieces of dunnage** placed **across** the wagon.
- ✓ Place **dunnage** or **tyres** between the chains and the crushed cars.
- ✓ **Chain** the load down using **at least two evenly spaced** chains.

#### DO NOT...

- ✗ **DO NOT allow** the maximum dimensions of the secured load to **exceed the Standard Loading Gauge (SLG)**.
- ✗ **DO NOT allow** the crushed cars to overhang the **edges** of the load platform.
- ✗ **DO NOT exceed** a height of **2400 mm from the deck** or **3340 mm from rail**.

**DIAGRAM 10.2 LOADING CRUSHED CARS**



**BEFORE LOADING, DO...**

- ✓ Visually **inspect** each transport unit being loaded.
- ✓ **Reject** any transport units that contain **contaminants or waste** of any kind, especially if it could become mixed in with the woodchip.
- ✓ **Check** all **hatches, gates, tailboards, doors** and **tilting mechanisms** are **closed and locked** as appropriate.