

Recognised Loading Control Method #5

Volumetric Loading

September 2017

The following is a recognised loading control method under the Accredited Mass Management Scheme.

Where a vehicle is specifically designed and built to carry a certain volume of a particular product, or the volume of a particular product can be accurately measured with a calibrated device, volumetric loading is considered an appropriate loading control method.

There is still the requirement to ensure the gross mass and mass distribution across axle groups is within allowable limits and this could be determined by conducting a number of initial test weighs.

To achieve this, the product could be loaded into the trailer, noting the volume that is being loaded into each compartment and then physically weigh the vehicle (including all axle groups) using a certified weighbridge or portable scales.

Within the loading plan, written procedures must address the variations that affect the density of the particular product, such as temperature and moisture.

You must also have documentary evidence to demonstrate the volumetric loading devices are appropriately calibrated in accordance with manufacturer's specifications, unless the vehicle is being loaded by a supplier who has provided a trade receipt from the loading device.



TESTWEIGH														
PLATE	TRIP	DRIVER	LOAD CODE											
18-791			Customer	Product	Quantity	TOTAL								
			DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	DIESEL	39000
			7500	8100	8000	8000	7400							
			1590	1290	1290	1290	1290							43400

Once you have proven loading the product the same way each time distributes the mass correctly, the method must be included in your loading plan to ensure loading is undertaken in the same manner each time.

As part of your records, you need to have documented evidence that the vehicle has been loaded in accordance with the proven loading plan. This could form part of your daily trip sheet.

The loading plan could simply be a schematic of the vehicle showing the specific volumes of product to be loaded into each compartment. The driver could then sign the schematic to declare the vehicle was loaded according to the loading plan and include this in their trip records.

Your loading plan must be verified at least every 3 months. To demonstrate this, you must have weigh documentation showing the vehicle has been weighed using a weighbridge or portable scales and that it complies with allowable mass limits (including all axle groups).

If you use an AMMS Approved Weighbridge to verify your loading plan, you will just need to identify the particular AMMS Approved Weighbridge you are using and there is no need to provide calibration or certification documentation.

If it is not an AMMS Approved Weighbridge or you use portable scales, you will need to have the calibration or certification documentation for the weighing device as part of your records.

