

TML Comments on Draft IS for 'Automotive Vehicles — Spray Suppression Systems'

BIS Doc. : TED 06 (26230) WC

39th Meeting of BIS- TED 06 Sectional Committee
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3.1 Spray-Suppression System

Spray-Suppression System means a system intended to reduce the pulverization of water thrown upwards by the tyres of a vehicle in motion. The spray-suppression system is variously made up of a mudguard, rain flaps and valances equipped with a spray-suppression device.

3.2 Mudguard

Mudguard means a rigid or semi-rigid component intended to trap the water thrown up by tyres in motion and to direct it towards the ground. Mudguards may entirely or partially form an integral part of the vehicle bodywork or other parts of the vehicle such as the lower part of the load platform, etc.

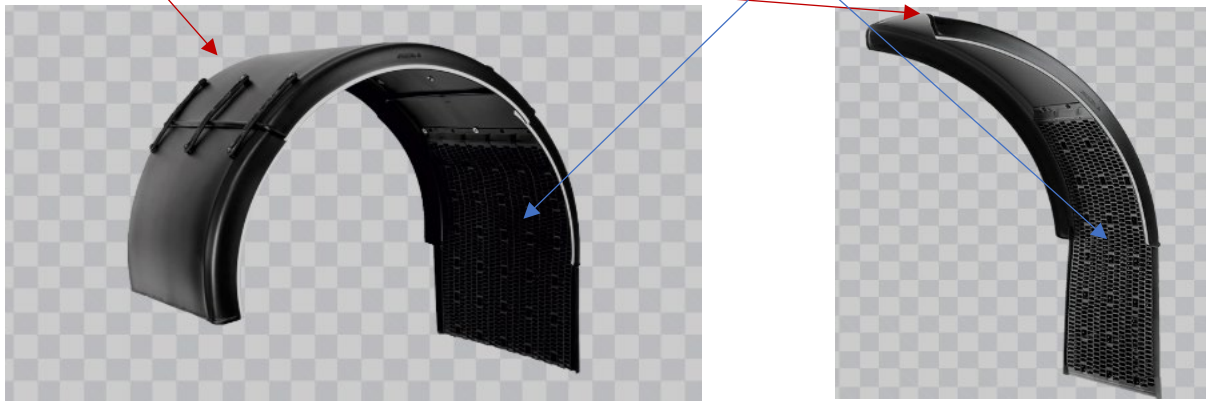
3.3 Rain flap

Rain flap means a flexible component mounted vertically behind the wheel, on the lower part of the chassis or the loading surface, or on the mudguard.

The rain flap shall also reduce the risk of small objects, in particular pebbles, being picked up from the ground by the tyres and thrown upwards or side wards towards other road users.

Mudguard

Rain flaps equipped with spray suppression devices



3.4 Spray-suppression device

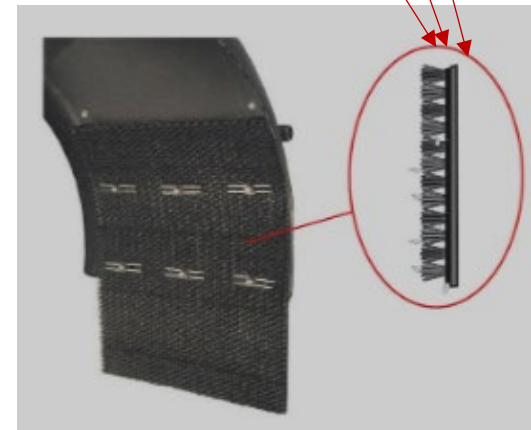
Spray-suppression device means part of the spray-suppression system, which may comprise:

3.4.1 Air / water separator

Air / water separator This is a component forming part of the valance and /or of the rain flap through which air can pass whilst reducing pulverized water emissions.

3.4.2 Energy absorber

This is a component forming part of the mudguard and / or valance and /or rain flap which absorbs the energy of water spray, thus reducing pulverized water spray.



Rain flaps equipped with spray suppression devices

TML Proposal on Draft IS for Spray Suppression Systems

Clause No.	Existing text of Draft AIS	TML proposed changes to existing text (Changes are indicated in Bold Blue font for new and strikethrough for deleted text)	Remark / Justification
1.4	<p>The requirements laid down relating to spray-suppression devices as defined in 3.4 are not mandatory in the case of chassis/cab vehicles, un-bodied vehicles, in which the presence of spray-suppression devices is incompatible with their use. However, if such devices are fitted to these vehicles, they shall conform to the requirements of this standard.</p>	<p>The requirements laid down relating to spray-suppression devices system as defined in 3.4 3.1 are not mandatory in the case of chassis/cab vehicles, un-bodied vehicles and vehicles with special purpose bodies such as tipper & dump trucks in which the presence of spray-suppression devices system is incompatible with their use. However, if such devices are fitted to these vehicles, they shall conform to the requirements of this standard.</p>	<p>The body structure for chassis/cab vehicles and un-bodied vehicles is constructed by truck body builders at their end. Following this, compliance for fully built trucks is ensured according to the Truck Body Code [AIS 093(Rev.1)] by Body Builder.</p> <p>Field experience has shown that the spray suppression system installed on tipper/dump trucks tends to be damaged during tipping operations. Therefore, the spray suppression system shall not be made mandatory for tipper/dump truck vehicles.</p> <p><i>(Please see the photos provided in the following slides for reference.)</i></p>

Few Snaps in Support to Justification Provided

Rear Spray-suppression device is fouling with tyres during tipping application which clearly exemplifies incompatibility with their intended use.



Few Snaps in Support to Justification Provided

Middle rain flaps of Rear Spray-suppression device is fouling with tyres during tipping application which clearly exemplifies incompatibility with their intended use.



Thank You !