

# Tipper Body Floor (Steel Liners)

## WHAT HAPPENED

Recently on a contract surfacing site; a tipper truck was delivering asphalt to a machine lay operation. During the discharge of the load, the tipper body floor as a whole moved, as illustrated in the photographs.

After investigation it appears that the cause of the failure was that the fixings used to secure the liner to the body had corroded and failed as a result of galvanic corrosion, which is an electrochemical process. There has been a reaction between the alloy body and steel liner, which has caused the fixings to corrode and fail.



## LEARNING POINTS / ACTIONS TAKEN

Since this incident, all the steel inserts have been thoroughly inspected and a replacement programme to fit an aluminium welded floor is underway. These trucks have been taken off asphalt deliveries until these steel inserts have been removed.

Company managers/ supervisors issued the safety alert to all contracting & transport personnel, and it was displayed on all health & safety notice boards and at weighbridge offices.

Truck drivers were instructed to inspect the tipper body floor as part of the daily checks for wear etc. and to report any defects immediately.

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LOCATION:	ON-HIGHWAY	ALERT STATUS:	Normal
ACTIVITY:	TRANSPORT & LOGISTICS / DELIVERY	DATE ISSUED:	24/06/2015 11:22:58
SUB ACTIVITY:	TIPPER	INCIDENT No:	01416