

INCIDENT ALERT

LOCATION:	Cement	ALERT STATUS:	Normal
ACTIVITY:	Production and Processing	DATE ISSUED:	20/11/09
SUB ACTIVITY:	Cement production	INCIDENT No:	00243

TITLE

CYLINDER FAILURE CAT 775 DUMPER

ACCIDENT / INCIDENT DETAILS

The operator of a Cat 775D dump truck reversed into the primary crusher reception hopper area to discharge the load of blasted rock into the crusher. As the operator started to raise the skip body, he noticed the truck lurch to one side.

He stopped the operation and checked to see if he had reversed onto a rock. While checking, he noticed that the off side hydraulic lift cylinder had come off its bottom mounting and was positioned between the inside rear wheel and chassis. The bottom cylinder mounting bearing had disintegrated and allowed the cylinder to come away. On inspection the bearing was found to be dry and the grease line blocked. All other similar bearings were checked and all showed signs of wear/crack, although no lubrication problems were found.

ACCIDENT / INCIDENT IMAGES



CAT Picture 1



CAT Picture 2

LEARNING POINTS / ACTIONS TAKEN

Lack of lubrication: Inspect lubrication system at every 250 hour maintenance check. Check auto lube system daily to ensure adequate lubrication is being used.

Lack of inspection: Remove bearing end cap and carry out thorough inspection at every 250 hour maintenance check.

Manufacturers guidelines for inspection: Cat maintenance check does not include bearing end cap removal at 250 hours. CAT informed of corrective measures.

Checks carried out at another works have shown that the same bearings were cracked and they have been subsequently changed.

LEARNING POINTS / ACTIONS IMAGES