

SAFER RAILWAYS WITH IOC

OVERVIEW

Protection of lives and railway properties is one of the main concerns of railway industries. Therefore, investing in regulations, management and assessment of rails and vehicles is a priority.

The Following derailments could be avoided by using IOCs:

INSTRUMENTED ORE CAR

Instrumented Ore Cars (IOC) developed by IRT experts is an efficient condition monitoring tool which has helped various railways to ensure the safety of their railways and transportations, to avoid incidents and to have an economical track maintenance plan.

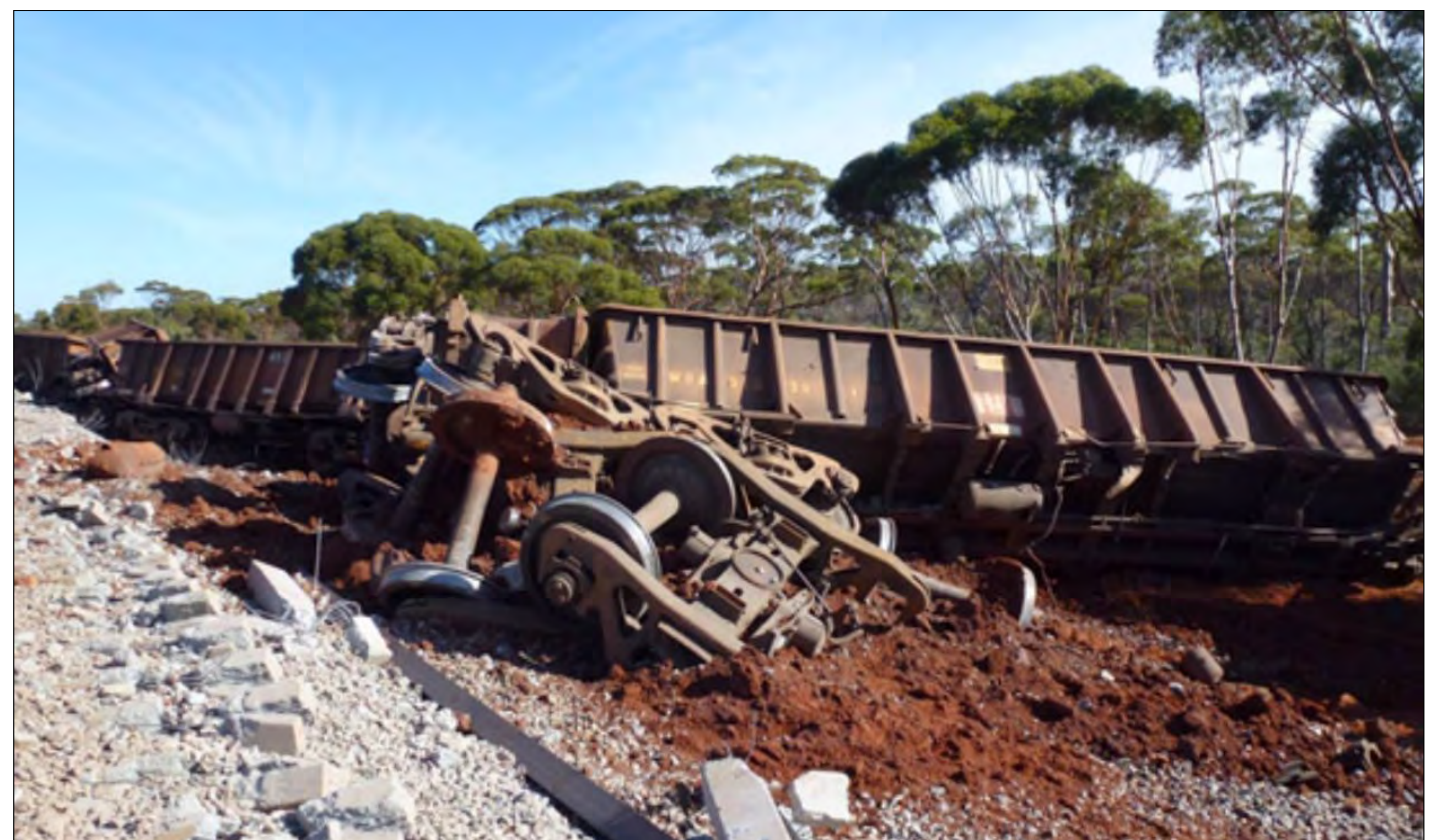


Derailed ore train 24 KW near Whyalla, 7 July 2014

Cause of Failure: Fishplate joints failed due to a combination of pre-existing fatigue cracks and inadequate fastening

Derailed train 4413, 14 May 2014

Cause of Failure: Lateral track irregularities just in advance of the point of derailment



Derailed freight train 3MP9 near Malbooma, 10 April 2014

Cause of Failure: Severe weather affected the ballast and track