

Bogie Misalignment

A Key Metric for Bogie and Track Health

Paul Bladon St George Consulting

Bogie misalignment can take various forms with differing root causes. Mid-range misalignment increases wheel wear, rail wear, and fuel consumption. When severe, it can be dangerous, causing damage to rolling stock and track or lead to derailment.

Understanding bogie behaviour is important.

The relationship between bogie misalignment and bogie/track health has been under much scrutiny in North America over the last few years, and a 12 month pilot is currently underway to assess the introduction of bogie misalignment limits into the AAR industry standards. While the Australian rail industry is similarly unregulated on this front this may change in the future.



This presentation will describe the TBOGI technology and its principles of operation, looking at the role bogie alignment plays in maintaining healthy rolling stock and track. The presentation will also examine some real-world experiences that illustrate the correlations between bogie misalignment and associated health issues, and the current studies working to optimise the limits to specific wear and risk scenarios.



Paul Bladon is a project manager with over ten years experience in the rail industry, primarily with projects related to wayside condition monitoring. He has previously worked at Teknis Electronics Pty Ltd with wheel condition monitoring systems. He is currently a partner at St George Consulting representing Wayside Inspection Devices Inc (WID). WID design and manufacture the TBOGI system. Paul has worked with railways in Australia and North America that utilise TBOGI to improve the condition of their rolling stock and track.



TECHNICAL PRESENTATION

VENUE:

Hawken Auditorium
Engineering House
447 Upper Edwards St
Spring Hill

DATE:

Wednesday
22nd June 2011

TIME:

17:30 for
18:00

REGISTRATION:

EA Qld Division

[Click Here to Register](#)

or

www.engineersaustralia.org.au

And register through the
Qld Division page.

or

Phone:
Engineers Australia;
07 3832 3749

RTSA:

for all who have an interest in railway
technology and management

The Railway Technical Society of Australasia (RTSA) - QLD Chapter

PO Box 6038, Kingston ACT 2604

Tel: 02 6270 6530 Fax: 02 6273 2358

Email: qld-chair@rtsa.com.au

www.rtsa.com.au

