

ICRI Workshop on Wear and RCF

Final program

start	Tuesday, Aug 02	Wednesday, Aug 03	Thursday, Aug 04
8:25	E. Magel, Welcome and workshop outline	D. Welsby, Introducing an International RCF inspection guide	R. Lewis - Non-invasive rail mounted sensor for the measurement of wheel-rail contact pressure patch H. Harrison - A brief update on Ontrak's new rail tribometer
8:45	M. Roney, RCF and Wear in Railways	J. Radanitsch, Rail milling to control RCF and wear of rails	K. Six, Simulating RCF damage and correlation with field observations
9:25	A. Ekberg, Understanding and predicting crack growth in wheels and rails	D. Sheperd, RCF, defects and broken rails on the BNSF railroad	S. Cakdi, TTCI's new RCF rig - new understandings
10:00	coffee break		
10:15	A. Tajaddini, RCF and wear from the regulator's perspective	J. Kalousek, Wheel/rail profiles, wear and RCF	J. Froman, Effect of Copper on the Wear and Rolling Contact Fatigue Behavior of Hypereutectoid Rail Steels
10:45	P. Mutton, Comparative review of rail steels - heavy haul	M. Asplund, A European heavy haul experience and best practices	C. Casanueva, Integrated simulation of damage: efficient contact modeling, wear-RCF interaction, and long-term evolution
11:20	D. Eadie, RCF, Wear and broken rail derailments - review and analysis	Facilitated discussion: Rail grinding - what's left to know?	M. Evans, High Pressure Torsion Testing to Assess the Frictional behaviour of Third-Bodies in the Wheel/Rail Interface
12:00	lunch break		
1:00	D. Hampton - moving towards predictive grinding on the CSX railroad	P. Molyneux-Berry, Reducing rail RCF and wear through better wheel shapes	M. Burstow, Rail surface damage modeling
1:35	R. Stock, The Impact of Friction Control on RCF and Wear	S. Dedmon, Temperature effects on service failures of railroad wheels	Workgroup activity
2:10	A. Joerg, Comparative review of rail steels for passenger applications	T. Kato, Effect of Fracture Toughness on Vertical Split Rim Failure of Railway	
2:45	coffee break		
3:15	B. Kerchof - aggressive grinding as a remedy for deep RCF on the NB Line	R. Lewis, Best practices in wear testing - laboratory and field	Workgroup activity - cont'd
3:50	W. Schoech, Corrective rail maintenance versus preventive cyclic actions – considerations regarding remaining RCF-defects after grinding	M. Takagaki, Detailed modelling of rolling contact fatigue to analyse material behaviour	
4:25	P. Klauser: Review of Day 1 proceedings	G. Wolf: Review of Day 2 proceedings	Conclusions and wrap up
5:15	Hike and Greek dinner	Beach party and BBQ	