



Maintenance Research

Bulletin: February 2011

NTREC--New Technology Research Equipment Committee
MOR-- Maintenance Operations Research



Tire Pressure Monitoring System

The Hawks TPMS monitors tire pressure and temperature for up to 22 wheels and up to 160 pounds of air pressure. A small hand held unit located in the cab gives the driver continuous readings from monitoring caps located on each tire. It is designed for extreme environments and temperatures as low as -40F. It gives the operators the opportunity to monitor tire pressure and temperature on tires that have limited accessibility due to rear mounted wing hardware. Proper tire pressure is critical on Mn/DOT's fleet. The primary dangers and consequences of under-inflated tires are: reduced vehicle safety, tire failures, increased stopping distance, reduced fuel economy and increase emissions. District One will test this system using both compressed air and nitrogen. They will evaluate this system for its ability to notify the operator of an under-inflated tire prior to causing serious tire damage leading to replacement.

For more information contact:
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Transportation Generalist, District 1
www.tpms.ca/

Upcoming Events

ATSSA Northland Chapter
"How To"
Ramada Plaza Suites, Fargo ND
March 15-16, 2011

Spring Maintenance and
Training Expo
St. Cloud Civic Center
April 12-13, 2011

NTREC
Arden Hills Training Center
April 21, 2011
Contact Farideh Amiri for
more information
651/366-3545

Salt Solutions Coordinators
Winter Wrap Up
Mankato Headquarters
April 27, 2011

22nd Annual Transportation
Research Conference
Crowne Plaza St. Paul, Mn
May 24-25, 2011

Maintenance Research
Website
[http://www.dot.state.mn.us/
maint/research.html](http://www.dot.state.mn.us/maint/research.html)

Comments? Questions?
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