

New Developments in Truck Inspections

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Saginaw County Road Commission

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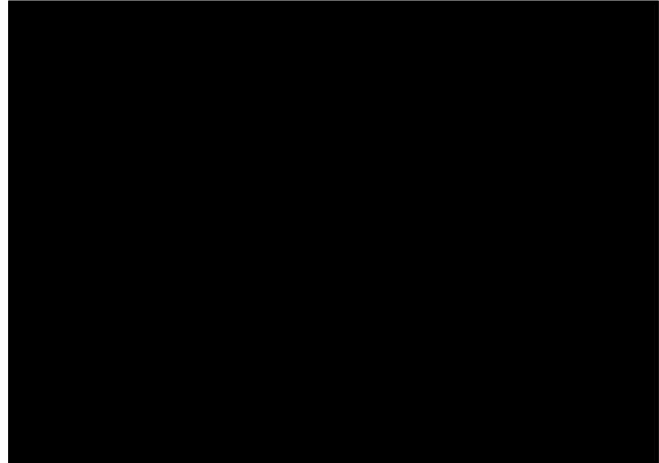
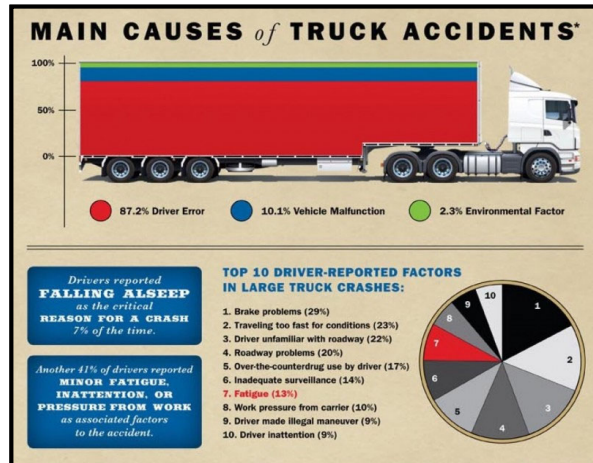
Michigan County Road Commission Self-Insurance Pool

Truck Inspections Updates and New Developments

- What causes accidents?
- Truck Safety and Programs
 - Reasonably Safe
 - Formal Programs
 - Competent Inspectors
 - DVIR Procedures
 - Benefits of Truck Inspections
- What is there is an accident?
 - It could happen to you.
 - What if there is a lawsuit?
- Truck Inspections
 - Critical Inspection Criteria
 - Common Defects
 - Component Issues
- Updates and New Developments
 - Midland Google Forms App
 - Saginaw App
- Question and Answer

What causes truck accidents?

YouTube: Truck Accident Dash Cam Compilation 2018



Truck Safety and Programs

Reasonably Safe



But, how do you know its reasonably safe?



Formal Truck Inspection Programs

- Employee Training
- Truck Inspection
 - Pre-Trip and Post-Trip
- Reporting
 - Note Defects
 - **Is it safe to be on road?**
 - Order Repairs
- Repair Procedure
 - Return to Service
- Retain Forms 1 Year



What makes our drivers competent inspectors?

- Original CDL
- MCRCSIP Training
- **On-Going Training**
 - Document
- Available Experts
- Additional Resources
 - Seminars
 - State of MI –MSP
 - MCTS
 - YouTube
 - JJ Keller



Inspection Procedures

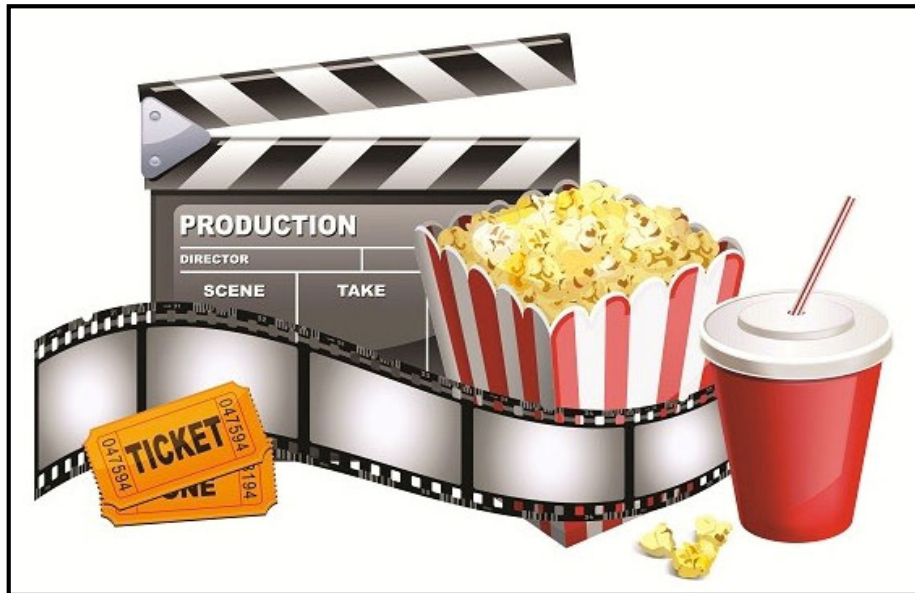
- Review Last Inspection
 - Outstanding Issues
- Complete New Inspection
- Fill Out and Sign New Form
- Report Problems
 - Corrective Action
 - Out of Service
 - Return Procedures
- Vehicle Inspection Report
 - Original to Supervisor
 - Book Remains in Truck
- **Retain Original for 1 Year**



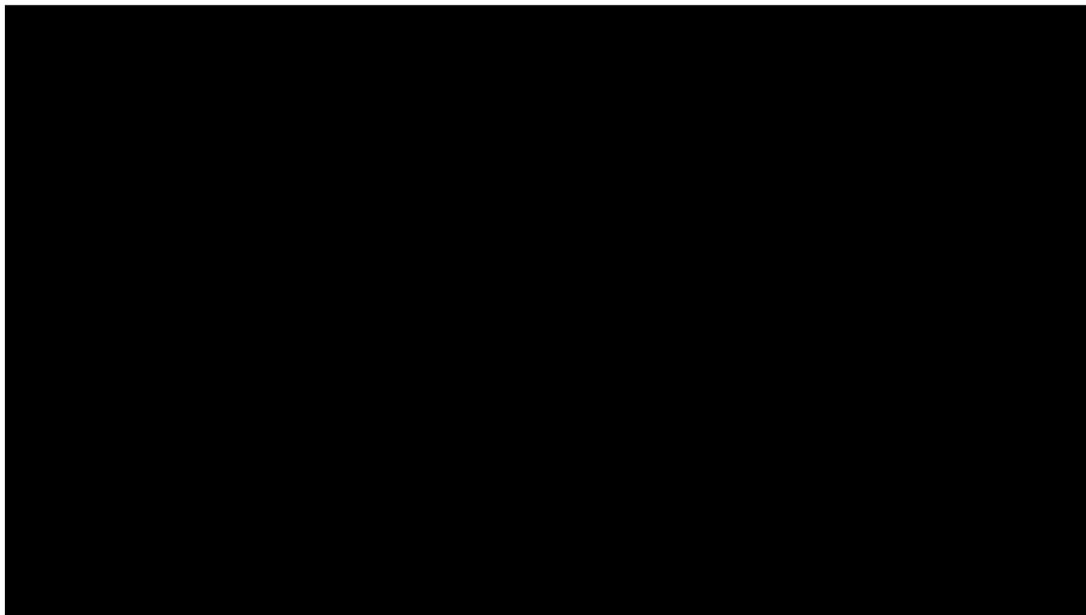
DVIR Promote Accountability and Avoid Finger Pointing



A note for the unconcerned...



YouTube: Dump Truck Flips, Catches Fire



Benefits of Truck Inspections

- Your Personal Safety
- Equipment Reasonably Safe
- **Avoid Accidents**
 - Injury
 - Damage
 - Administration
 - Equipment Loss
 - Liability
 - Litigation
- Prevent Breakdowns
- Ticketed Offenses
- Build Public Trust



What if there is an accident?

It Could Happen to You

YouTube: Semi-Truck Blown Tire Hits House

- Equipment Failure
 - **Here a Blown Tire**
- Loss of Control
- Accident Occurs
 - Injury Results
 - Damages
- Was it preventable?
- CONSEQUENCES



An accident may result in a lawsuit.

- Opposing attorney accuses you of having unsafe vehicle.
- DVIR confirms you inspected the vehicle and the vehicle was reasonably safe.
- DVIR documents whether you noted defects and informed supervision.



DVIR helps shield your organization from liability.



Would you want to be in his place?



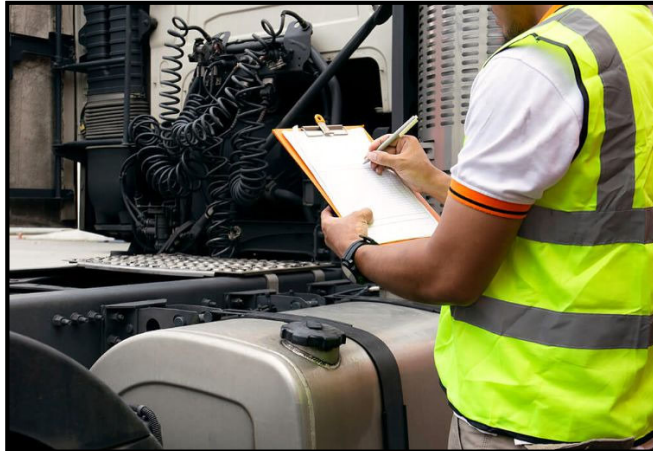
YouTube: Chevy Cobalt Recall Deposition



Truck Inspections

Critical Inspection Criteria

- Exterior Lights
- Steering Components
- Suspension System
- Braking System
- Rims
- Tires
- Windshield
- Windshield Wipers
- Mirrors
- Seat and Seatbelts
- Horn
- Safety Equipment



Common Defects

- Securely Mounted
- Missing
- Not Functioning
- **BBC** -Parts and Equipment
 - Bent
 - Broken
 - Cracked
- **ABC** -Hoses and Belts
 - Abraded
 - Bulging
 - Cut
- Leaking
 - Air
 - Fluid



Special Thanks

Montcalm County Road Commission
For all your help in developing this program.



Exterior Lights: 393.11

- Headlamps
- Turn Signals
- Identification Lamps
 - Front
 - Rear
- Stop Lamps
- Clearance Lamps
- Reflex Reflectors
- Back Up Lamp
- *Refer to 393.11 Table 1*



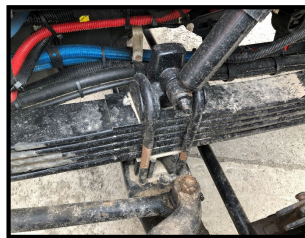
Steering Components: 393.209

- Steering Wheel
 - No Excess Steering Wheel Lash
- Steering Column
 - 10 Degree of Travel
- Steering Universal Joint
- Steering Box
- Power Steering Tank
 - Fluid: Above Add, Below Full
- Hoses
- Pitman Arm
- Drag Link



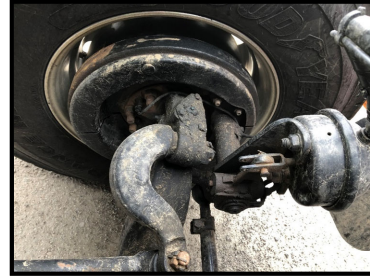
Suspension Systems: 393.207

- Axels
- Leaf Springs
 - Scissored or Shifted
 - Cracked or Broken
- U Bolts
- Coil Springs
- Shock Absorbers
- Torsion Bars
- Air Suspension



Braking Systems: 393.40

- Master Brake Cylinder
- Brake Tubing or Hoses
- Brake Chamber
- Push Rod and Clevice
- Slack Adjuster
- Brake Drum or Disc
- Linings and Pads
- Heat Cracks or Bluing
- Presence of Grease or Oil



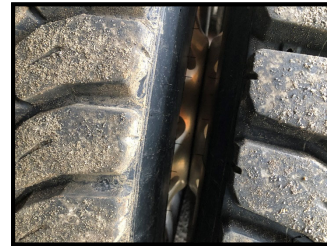
Rims: 393.205

- Stud or Bolt Holes Elongated
 - Holes Out of Round
- Nuts or Bolts Missing or Loose
- Broken or Missing Studs
- Shiny Threads
- Rusted Threads
 - Our Environment
- Hub Seals or Hub Leaks
- No Welds



Tires: 393.75

- Proper Tire Pressure
 - Taken with a Gauge
- Uneven Wear
- Ply or Belt Exposed
- Separation of Tread
- Tread Depth
 - Steer: 4/32 Inch
 - Follow: 2/32 Inch
- Flat or Audible Leak
- Debris Between Tires



Windshield: 393.60

- Driver's Field of View
- Cracks
- Pits Larger than $\frac{3}{4}$ Inch
- Discoloration



Windshield Wipers: 393.78

- Washer Solvent Tank
 - Contains Solvent
- Solvent Hoses
- Solvent Emitters
- Wiper Motor
- Wiper Arms
- Two Wiper Blades



Two Rear Vision Mirrors: 393.80



Seats and Seatbelts: 393.93

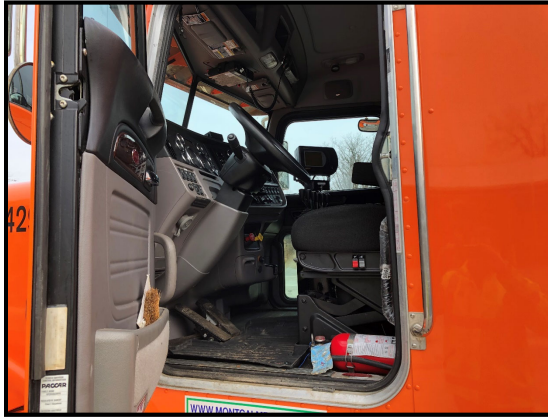


Horn: 393.81



Emergency Equipment: 393.95

- Fire Extinguisher
 - Easily Accessible
 - No Sliding, Rolling, or Vertical Movement
 - 5 B:C or More
 - Protection from Freezing
- Spare Fuses
 - One for Any Type/Size
 - Any Part or Accessory
- Warning Devices
 - 3 Bi-Directional Triangles
 - 6 Fuses
 - 3 Liquid-Burning Flares



Master Disconnect Switch

- Truck Fires
- Cause of Issues
 - Vibration
 - Constant Wear
 - Weight of Snow and Ice
 - Water and Salt
- What to Look for
 - Battery Cables
 - Battery Box Entry
 - Sharp Edges
 - Hangers
- Master Switch Procedures



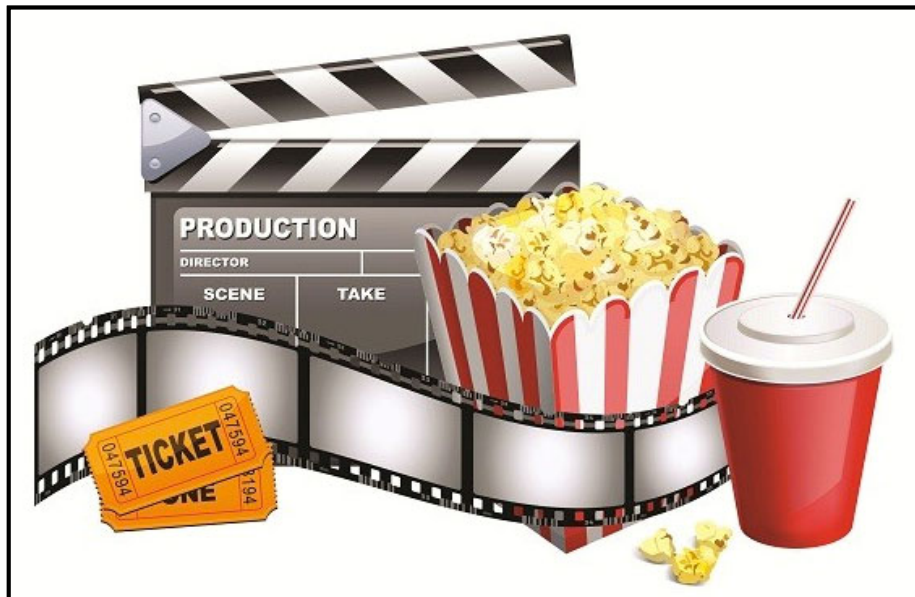
Snow Plowing Equipment

- Front Plow
 - Height Adjustment Gap
 - Grease/Oil Plow Frame
 - Shoe Wear
- Underbody Scraper
 - Wear into Mold Board
 - Hydraulic Lines
 - Proper Function
- Wing Plow
 - Blade on Backward
 - Truck Edge of Blade Cut
 - Sheer Bolt on Support Bar
 - Hydraulic Lines
 - Shoe Wear



Updates and New Developments

Google Forms, Midland County Road Commission



Saginaw County Road Commission



Questions?

Thank you for participating in today's program.