

Tires Analysis for Accident Reconstructionist

Day 1

Publications Overview (1.5)

- Tire and Rim Association Annual Yearbook
- Passenger and Light Truck Tire Conditions Manual
- Radial Tire Analysis Guide
- Who Makes it and Where
- Care and Service of Passenger and Light Truck Tires
- Care and Service of Commercial Truck Tires

Tools (1.5)

- Needed tools for data collection

Consumer Tires (5.0 hrs)

- ***Tire Construction Video***
- Why Tires are important
- Tire Performance Requirements
- Tire Construction Basics
- Vehicle Door Placard
- Load Index
- Tire Deflection
- Proper Tire Maintenance
- Tire Repairs
- Air pressure effects on tires
- Tire application Guidelines
- ***P-Metric vs. Euro Metric vs. Light Truck vs. Euro Commercial***
- New Tire Technology

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Day 2

Commercial Tires (5.0 hrs)

- Tire Construction
- Vehicle Placard
- Load Capacity (Tire, Rim, Axle)
- Tire Comparison
- Types of Tire Failure

Knowledge Application (3.0 hrs)

- What and how to capture tire data.
- What tire information to document
- Pictures!!!!!! What to capture
- What to look for at the scene (with the tire that failed and the tires that did not fail)
- ***Holistic view of report writing! What to cover in your report!!!***

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Day 3

Hands-On Tire Analysis (3.0 hrs)

- Analysis of fleet or training tires from Tennent and Associates

Accident Case Studies (3.0 hrs)

- Analysis and Breakdown of tire related accident cases (Motorcycle and Passenger) and conclusions
- We will cover video, pictorial and police report info and how it affects the case outcome!

Review (2.0 hrs)

- How confident are you? When do you need a real tire expert!
- How to determine if the tire expert is legit?
- Types of tires, how are they used and how does this affect your on-site analysis
- Continued education
- Cases Analysis (MC, Passenger, Light Truck, Commercial)