

Introduction

Instructor: Thomas R. Giapponi P.E.

With over thirty years of experience in tire design, testing, manufacturing, and quality with Armstrong Rubber Co. and Pirelli Tire. I have the background to analyze tires in detail for failure causation. As a Director of R&D for Pirelli Tire North America, I designed and/or managed design groups in Agricultural, Small OTR, M/H Truck, Light Truck and Passenger Car Tires. I have provided training to the California Highway Patrol MAIT Division, seminars at the University of California Riverside and supplied one day training to the Northern and Southern California branches of ACTAR. In 2001 I began TRGtech Tire Consulting LLC. A complete CV can be downloaded from this website.

Each session has a required minimum number of people to ensure a good discussion on all topics of interest. These are learning classes and in each session no question is out of bounds, and discussion is encouraged.

We are located In Lancaster Ohio and the course will take place in our new training facilities at 3990 Wheeling Road NE 43130. Please note our postal address is PO Box 86 Lancaster, OH 43130-0086.

Lunch and Beverages included

The Reservation Form must be filled out and e-mailed in. Please see the form for additional details.

Cancellation policy:

100% of all funds returned if the class is cancelled by TRGtech.

95% of funds returned for cancellation by the participant with a Pay Pal payment

Pay Pal may be used through the website page.

PLEASE NOTE: Cash, Money Order, or Business Check can be used for payment on the day of the course with a 5% discount applied. (In addition to the multiple person discount).

Personal checks are not accepted.

Hotels in Lancaster, Ohio include:

- ***Holiday Inn Express - www.hiexpress.com***
- ***Hampton Inn - www.hamptoninn.com***
- ***Shaw's Restaurant & Inn - www.hockinghills.com/shaws***

Tire Forensics – The Analysis of Tire Failure Class Date To Be Determined

Class size 4 to 8

(2) two days including hands on tire examinations

Cost: \$1250

8:30am – 4:00pm each day

Group discount 2 or more (-10%)

Class – October 1 & 2

This offering is made for any personnel who inspect tires to determine the cause(s) of failure and wish to know more about tire failure and tire failure analysis. It is a two day course covering:

- Characteristics and Identification of the Causes of Belt, Bead, Tread, and Sidewall Separation.
- Damage identification on the tire, judging before and after effects
- Wheel inspection and judging balance weight marks
- Liner and interior conditions
- Various failure theories
- Good principles of tire examination
- Photography in the Lab
- Identifying tire location on the vehicle from the tire alone.

Tires will be available for inspection and as learning tools.

This is a follow-up experience to our Basic Tire Mechanics and Inspection class, however, the Basic Tire Mechanics seminar is not a requirement to attend this class. Basic Tire Mechanics will not be covered as a topic except on a question by question basis, so those attending should have at a minimum a basic understanding of tires, their characteristics and be able to read the tire sidewall.

Due to the small class size, personal attention to each and every question is given. It is expected that discussions on issues of concern will be fully examined by the group.

Each person will be provided with a copy of SAE's Tire Forensic Investigation – Analyzing Tire Failure

Basic Tire Mechanics and Inspection Class Date to Be Determined

Class size 4 - 8

(1) One and ½ days including basic tire inspections

Cost: \$750

Group discount 2 or more (-10%)

Class – September 27 & 28

Day 1, 8:30am-4:00pm – Day 2, 8:30am to 11:30am

This training provides the individual a moderate in-depth education on tires; how they are made, the basic mechanics of how tires work, and how tires fail. Specifically we will cover:

- Tire construction including all the various component parts of the tire and how those components work together.
- Understanding the sidewall, and all the coding found there and what it means inside the tire
- Introduction to the various world tire, wheel, flap, and valve standardization bodies and how to use their manuals
- Air pressure and Loading considerations
- The various types of tread patterns and characteristics that make them Summer, All Season, and Winter, including A/S, A/T, Traction and Mud tires
- Introduction to failure modes

The hands on portion on the ½ day consists of teams trying to identify the mode of failure in provided tires and a discussion with all the groups on the findings.

Who should attend:

- Accident Reconstructionists,
- Local and State Police who deal with traffic accidents
- Those that have a need or a desire for more education on tires.