

# WHEEL BASICS

*eLearning courses designed to increase productivity and profits*



## **Learning made Simple, Visual, and Interactive**

The Wheel Basics course is an introduction to automotive wheels. Presented in THORS' highly visual and interactive learning format, this course is designed to provide learners with an understanding of the basic wheel concepts, the different wheel types, and the different materials used to manufacture wheels.

Credit Hours **2**

## **Learning Objectives**

- 💡 Recall the terminology associated with wheels.
- 💡 Describe the various factors to consider while selecting a wheel material.
- 💡 Identify the different markings and traceability details on wheels.
- 💡 Recall the different types of on-road and off-the-road wheels.
- 💡 Recognize the different parts of on-road and off-the-road wheels.

## **Table of Contents**

### **I. Wheel Concepts**

- **Wheel Terminology**
  - o Wheel Parts
  - o Wheel Profile Details
  - o Wheel Dimensional Characteristics
- **Material Selection**
- **Wheel Traceability**
- **Wheel Markings**
  - o Month and Year of Production
  - o Manufacturer Name
  - o Wheel Size
  - o Wheel Profile
  - o Wheel Diameter
  - o Wheel Hump
  - o Wheel Offset
  - o Batch Information
- **Global Standards**

### **II. On-Road Wheels**

- **Passenger Car Wheels**
  - o Steel Passenger Car Wheels
  - o Aluminum Alloy Passenger Car Wheels
  - o Special Passenger Car Wheels
- **Truck Wheels**
  - o Steel Truck Wheels
  - o Drop Center Aluminum Alloy Truck Wheels
- **Two-Wheeler Wheels**
  - o Steel Two-Wheeler Wheels
  - o Cast Aluminum Alloy Two-Wheeler Wheels
  - o Special Two-Wheeler Wheels

### **III. Off-Road Wheels**

- **Agricultural Tractor Wheels**
  - o Fixed Tractor Wheels
  - o Adjustable Tractor Wheels
- **Earthmover Wheels**
  - o Drop Center Earthmover Wheels
  - o Three-Piece Earthmover Wheels
  - o Five-Piece Earthmover Wheels
- **Forklift Wheels**
  - o Press-On Forklift Wheels
  - o Split Forklift Wheels
  - o Multi-Piece Forklift Wheels
- **All-Terrain Vehicle Wheels**

