Objectives

• Identify the hazards associated with vehicles on fire
• Identify PPE requirements
• Identify the resources needed to extinguish a vehicle fire
• Describe tactics to extinguish a vehicle fire
Hazards Associated with Vehicle Fires

- Toxic smoke
- Fuel
  - Gasoline
  - Diesel
  - CNG
  - Lithium Batteries
- Compressed cylinders
- Magnesium
- Unknown cargo
- Unstable Vehicles
Fuel Spills

- Recognize fuel spills
  - Pre Arrival
  - Post Arrival
  - What happens when you don’t
- Even when you think you did the right thing...
Electric Cars

- Lithium batteries
- High heat
- Require substantial amount of water
- Server all hours to cool
- Access can be difficult
Compressed Cylinders

Watch for the hood cylinder to shoot out...
Magnesium
Unknown Cargo
Unstable Vehicles
Personal Protective Equipment

- Full Structural PPE
  - Coat
  - Pants
  - Hood
  - Helmet
  - Gloves
  - Boots
  - SCBA/BA
Resources

- Fire Engine (maybe 2)
- Water supply
- Hose Line
- Combination Nozzle
- Prying Tool
- Wheel Chock/Block
Tactics

• Park uphill and upwind
• Approach at a 45° angle
• Sweep under vehicle
• Water on main body of fire
• Access all compartments of the vehicle
Successful Operations

- M6 - Ireland
- Cornwall, England
- West Chester, PA - USA
- Drill - Cottekill, NY - USA
Breakout Session

- Discuss the resources you have to extinguish vehicle fires
- Discuss the resources you are lacking and how you can work around it