

S/P2

“Mechanical Pollution Prevention”

Modules

1. Introduction
2. Oil and Similar Fluids
3. Antifreeze
4. Floor Drains
5. Absorbents and Spills
6. Air Conditioning
7. Batteries
8. Asbestos
9. Tires
10. Other Sources
11. Final Exam

Learning Objectives Upon the Completion of Each Module

1. Introduction

Students should:

- identify the top 10 environmental challenges in collision repair
- understand what a waste stream is
- recognize the four waste categories

2. Oil and Similar Fluids

Students should:

- identify which fluids can and cannot be mixed with used oil
- understand how to properly manage used oil
- recognize the proper ways to handle used oil filters
- determine the issues concerning accepting used oil from the general public

3. Antifreeze

Students should:

- recognize proper antifreeze disposal methods
- understand antifreeze collection and storage
- identify the three ways to recycle antifreeze

4. Floor Drains

Students should:

- understand why floor drains are rapidly becoming extinct
- identify best practices related to floor drains and spilled fluids

5. Absorbents and Spills

Students should:

- recognize how to deal with a large spill
- understand how to deal with a paint spill
- determine how to deal with an oil spill

6. Air Conditioning

Students should:

- recognize the proper refrigerant recovery methods
- understand the laws related to releasing refrigerant
- determine who is allowed to perform air conditioning work
- identify refrigerant recovery equipment regulations

7. Batteries

Students should:

- understand proper handling of damaged and used batteries
- recognize proper storage of damaged and used batteries

8. Asbestos

Students should:

- understand what asbestos is and how it is used.
- know where to access OSHA and EPA information on the subject.

9. Tires

Students should:

- understand the benefits of tire recycling
- recognize the problems of stacking or illegally dumping tires

10. Other Sources

Students should:

- understand proper management of rags, solvents, sheet metal, parts stored outside and plastic pieces.
- recognize the regulations concerning catalytic converters.
- identify other sources that affect a shop's environmental compliance

11. Final Exam