Competency 2

Steering System

Lesson Objective:
- Determine the means to be taken to properly use this system.
- Recognize potential problems due to misuse.
- Know the principles related to the steering system.

Verification of the Steering System

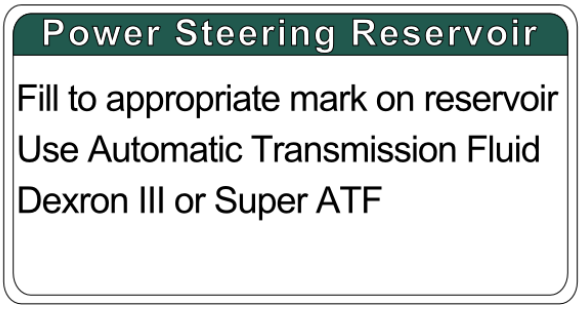
Steering Wheel

Oil Level * on a transparent reservoir

Identification of the gauge (dipstick) on an opaque power steering reservoir.

Level to be **respected** hot and _____.

Type of oil used: Dexron III or Super ATF (generally)



In the example above, it is recommended to use **Mercon automatic transmission fluid** or **Dexron**. The color _____ is a **good clue,** but not always true.

If the information on the type of the oil to add is not visible on the power steering reservoir, refer to the **manufacturer's manual**. If this is not available ask **the mechanic** of the transport company. It is not necessarily always **automatic transmission fluid** that is used in the power steering. *** The term liquid is used because of its pressure function.**

The power steering box and linkage:

Checking the condition of parts and the presence of leaks:

Instructions on how to properly maintain the power steering:

1. Avoid turning the steering wheel when the truck is not in motion.
2. Avoid turning the steering wheel when the brakes are strongly applied.
3. Avoid turning the steering wheel as far as possible to one side and forcing it to this position.
4. Ensure adequate lubrication of the fifth wheel.
5. Avoid climbing on curbs or sidewalks during turning maneuvers.

Recognizing a steering problem when the truck is in motion:

When driving at high speeds, the truck should drive in a straight line when the steering wheel is not turned. If the truck pulls to one side of the road, the parallelism of the wheels (alignment) may be the cause..