	NORTH CAROLINA DEPARTMENT OF LABOR		No. 42-1
	OSH DIVISION		Date: 10/2009
	OSHNC INDUSTRIAL DATA REPORT		Pages: 3

Industry: **Motor Freight Transportation and Warehousing**

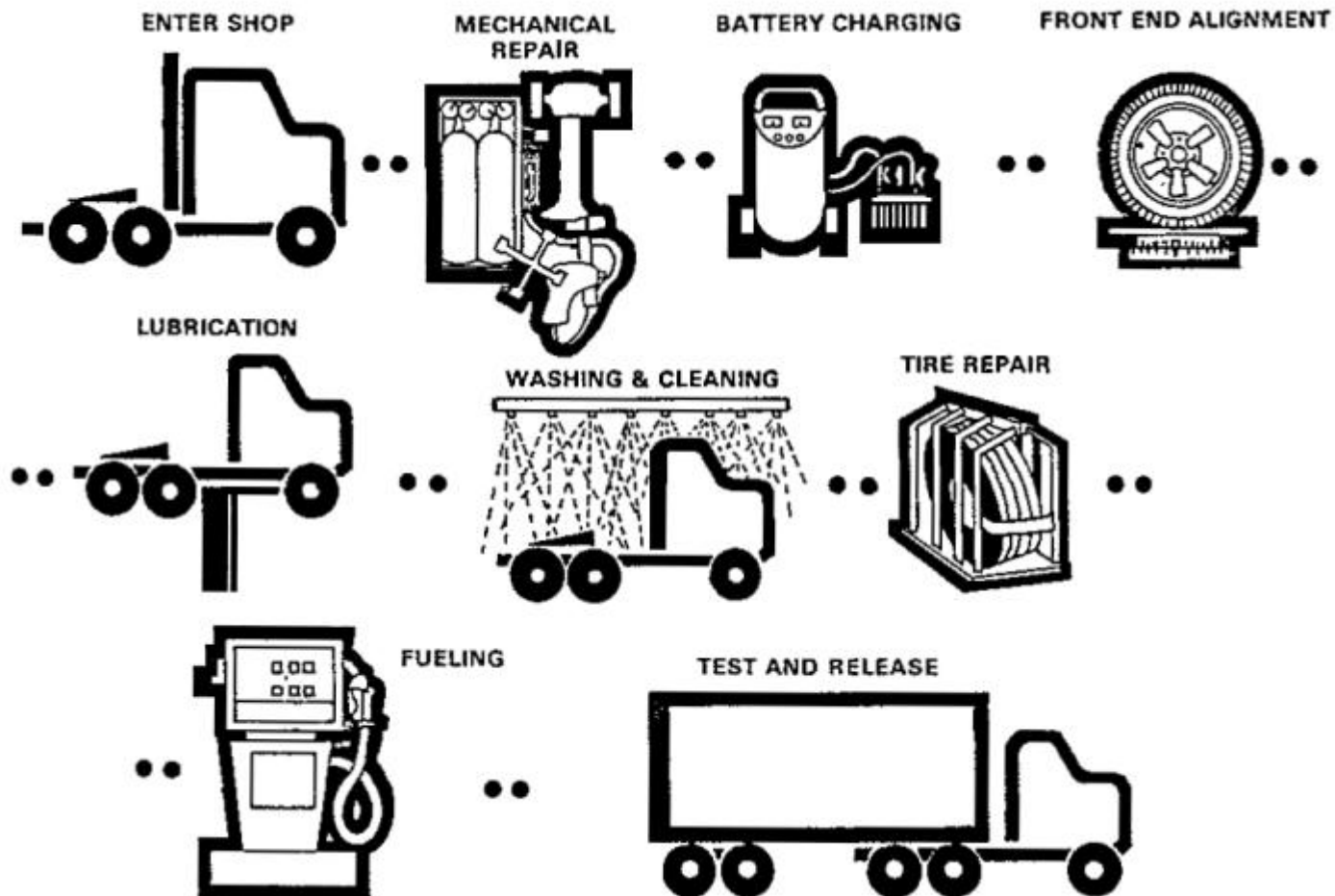
Sub-Group: **Terminal Maintenance Facilities for Motor Freight Transportation**


SIC: **4231**

NAICS: **488490**

PROCESS DESCRIPTION: Vehicles arrive for scheduled, routine or special services. General mechanical repair performed usually includes engine maintenance, minor parts replacement and adjustments. Regular preventive maintenance includes checking and charging batteries, front-end adjustments, lubrication, tire repair and/or rotation and washing. Finally the vehicle is road tested.

PROCESS FLOW:




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Hazards Analysis

Major Hazards			Other Hazards		
Location	Item	Hazard	Location	Item	Hazard
Parts department	Unsecured stacking	Falling objects	Wash pit	Water and soap	Slips and falls
Garage	Electrical classification	Fire and explosion	Tire repair	Tires and split rims	Flying parts
	Grinding	Wheel explosion, flying particles			
	Welding	burns, inhalation of fumes			
	Solvents	Fire and explosion			
	Compressed air	Flying objects	Fueling	Flammable and combustibles	Fire and explosion
	Noise	Hearing loss			
	Carbon monoxide	Toxic gas			
	Asbestos dust	Carcinogen	Lubrication	Grit and falling objects	Eye injuries
	Housekeeping	Tripping, falling and fire			
	V-belts	Amputations, cuts			
Battery charging	Batteries and charger	Fire and explosion, eye and face burns, and fumes	Throughout	Fire extinguishers, exits and wiring	Fire

Key OSHNC Standards

Subpart D	Walking and working surfaces
Subpart I	Personal protective equipment
Subpart O	Machinery and machine guarding
Subpart Q	Welding, cutting and brazing
Subpart S	Electrical
1910.94	Ventilation

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1910.95	Occupational Hearing Loss
1910.106	Flammable and combustible liquids handling and storage
1910.147	Control of hazardous energy - (lock-out/tag-out)
1910.151	Eyewash and emergency showers
1910.1000	Air contaminants
1910.1200	Hazard communication

<p align="center">Inspection Analysis</p> <p>Inspect the office and parts area first, observing stacking problems and housekeeping. In the repair shop, check machine and air tools, belt drives, guards on grinders and welding operations. Observe the storage of flammables, their containers and waste receptacles. Check for ungrounded electrical tools, temporary wiring, portable lamps and other electrical hazards for adherence to the requirements Subpart S – Electrical for hazardous locations. Eye protection must be worn when using compressed air for cleaning purposes and the pressure must be reduced to less than 35 psi. In the battery charging area check personal protection equipment and facilities for washing the eyes and body. Note if “No Smoking” signs are posted in this area. Check the pits for the approved type of wiring, switches, receptacles and lights and determine if they are properly guarded. In the wash pit, check personal protective equipment, electrical equipment and drains.</p> <p>Tire repair areas present many hazards. Check air tools and tire cages for changing split rim tires and wheels. Check the dispensing pump and other flames in the yard.</p> <p>Other Pertinent Comments: The most attention is needed at electrical installations and where truck tires and wheels are changed.</p>
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