

	NORTH CAROLINA DEPARTMENT OF LABOR		No. 55-3
	OSH DIVISION		Date: 10/2009
	OSHNC INDUSTRIAL DATA REPORT		Pages: 4

Industry: Automotive Dealers and Gasoline Service Stations

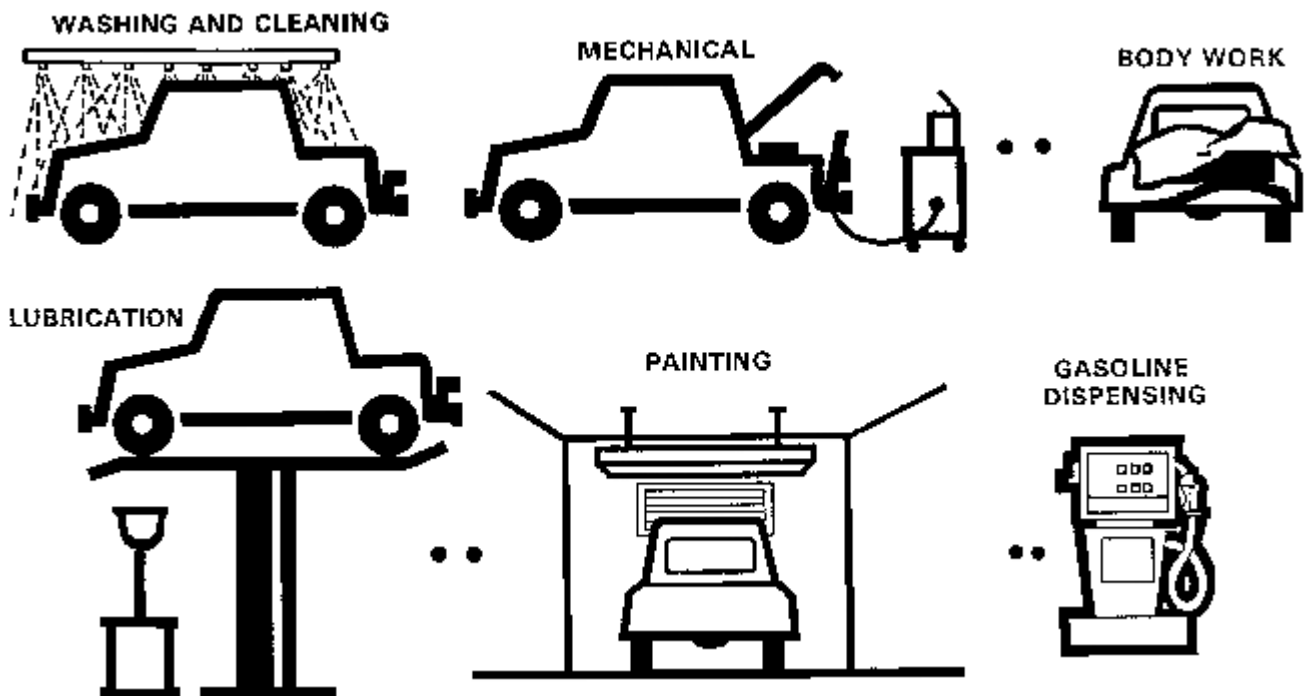
Sub-Group: Automobile Repair Shops – Motor Vehicle Dealers


SIC: 5511, 7531, 7532, 7533, 7534, 7536, 7537, 7538 and 7539

NAICS: 326212, 441110, 811112, 811113, 811118, 811121, 811122 and 811198

PROCESS DESCRIPTION: Service Stations – Cars are brought in for maintenance including lubrication and oil changes, washing and cleaning, tire repairs, rotation of wheels, alignments, drive train repair, motor repair and overhaul, and refueling. **Garages** – Motor vehicles are brought into garages for motor repair and overhaul, cleaning (washing vehicles as well as motors), tire repair or replacement, rotating and balancing wheels, and front-end alignment. All types of mechanical repairs are made such as drive train, motors, and general overhauling. **Body Shops** – Auto bodies are straightened out (bent fenders and body dents) and upholstering, either repaired or new material, is put in. **Paint Spray Booth or Room** – Cars are painted by parts, in their entirety or touched up. **Gasoline Dispensing Area** – Cars are refueled for road service.


PROCESS FLOW:



			NORTH CAROLINA DEPARTMENT OF LABOR			No. 55-3
			OSH DIVISION			Date: 10/2009
			OSHNC INDUSTRIAL DATA REPORT			Pages: 4
Hazards Analysis						
Major Hazards			Other Hazards			
Location	Item	Hazard	Location	Item	Hazard	
Wash area	Wet floors	Slips, falls	Throughout	Lifting, removing, replacing parts, accessories, tires, batteries, use of tools and equipment	Sprains, strains, hernia, cuts, abrasions, punching or possible amputations, foreign objects in eyes	
Service station and garage	Tire replacement and repair	Jacks slipping out from under cars and trucks – rims blowing off		Housekeeping	Slips, trips and falls	
				Electrical hand tools and similar equipment	Shock or electrocution	
Battery charging area	Ventilation	Hydrogen gas	Throughout	Improper storage of oxygen, fuel and combustibles	Fires and explosions	
	Electrolyte addition	Acid in eyes and on body, acid burns and gas explosions		Excessive air pressure for cleaning purposes	Eye injuries, puncture wounds	
Garage and service stations	Material handling equipment	Accidents, falls	Spray finishing	Chemical Use	Vapor inhalation, respiratory irritation	
	Improper electrical wiring and equipment	Shocks, electrocution, fires		Chemical storage and electrical installation	Explosion, fire	
	Grinding, welding	Fume inhalation, eye injuries				

SIC: 5511, 7531, 7532, 7533, 7534, 7536, 7537, 7538 and 7539

NAICS: 326212, 441110, 811112, 811113, 811118, 811121, 811122 and 811198

 NCDOL <small>N.C. Department of Labor</small>	NORTH CAROLINA DEPARTMENT OF LABOR		No. 55-3
	OSH DIVISION		Date: 10/2009
	OSHNC INDUSTRIAL DATA REPORT		Pages: 4
Key OSHNC Standards			
Reference	29 CFR 1910 — General Industry 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		
1910.101	Compressed gases		
1910.106	Flammable and combustible liquids handling and storage		
1910.107	Spray finishing with flammable and combustible liquids		
1910.147	Control of hazardous energy – (lock-out/tag-out)		
1910.151	Eyewash and emergency showers		
1910.169	Compressed air receivers		
1910.176	Handling materials		
1910.1000	Air contaminants		
1910.1200	Hazard Communication		
Inspection Analysis			
<p>The inspection could begin in the auto cleaning area. Housekeeping, walking-working surfaces, and electrical violations must be noted.</p> <p>The mechanical repair area would include tire changing equipment (jacking and repair devices). The overhead hoist must be examined closely and maintenance records inspected. Portable lighting equipment must be of correct type. Solvents must be in approved containers. Bench grinders must be inspected for proper guarding and wheel condition. Cleaning air pressure and equipment violations must be noted. Lubrication and Alignment Departments may have housekeeping problems (slick floors) and unguarded pits. Wiring in the pit must conform to required specification. Body repair will include welding and cutting apparatus with apparent hazards. Personal protective equipment for welding, cutting, grinding, and painting will be required.</p> <p>The spray paint area will require proper ventilation, correct wiring and lighting and other precautions for Class I, Division 1, hazardous locations.</p> <p>Gasoline dispensing will necessitate “No Smoking” requirements and correct ventilation of underground tanks.</p>			
Other Pertinent Comments:			