

2012 IFC §2311 Repair Garages [S-1] (Addendum)

Selected Fire Code Sections with Corrective Actions

IFC Section	Requirements and Corrective Actions	Violation ✓
2311.2.1	Cleaning of parts. Refrain from cleaning oil contaminated parts in unapproved/non-listed parts washing apparatus . Repair machine or replace with approved machines.	
2311.2.2	Waste oil, motor oil and other Class IIIB liquids. Replace the unapproved motor/waste oil tanks/containers with approved types. Maximum allowable sizes are 5.3 gallons for metal containers except for drums up 119 gallons. Metal, Rigid Plastic & Polyethylene tanks may contain up to 793 gallons maximum. Reduce storage amounts to reasonable quantities (e.g. one container, one drum, one tank)	
2311.2.3	Drainage and disposal of liquids and oil-soaked waste. Have the contents of oil separators, traps and floor drainage systems collected at sufficiently frequent intervals and removed from the premises to prevent oil from being carried into the sewers.	
2311.2.3.1	Disposal of liquids. Refrain from dumping crankcase drainings and liquids onto the ground or sewer system. Clean up spilled liquids and dispose of these liquids into approved metal tanks or containers and label them " Oily Waste " or other approved wording.	
2311.2.3.2	Disposal of oily waste. Self-closing metal cans shall be used for oily waste. Refrain from using non-metallic containers for disposing of oily rags and waste. Use only self-closing metal cans for oily waste.	
2311.3	Sources of ignition. Relocate sources of ignition (e.g. space heaters & compressors) at least 18" above floor level , or them remove from the building.	
2311.3.1	Equipment. Ensure that all appliances and equipment , installed in your repair garage, complies with the provisions of the International Building Code, the International Mechanical Code and NFPA 70. Remove unauthorized equipment or repair broken equipment.	
2311.3.2	Smoking. Refrain from smoking, or allow smoking, in the repair garage or within 20' of it. Remove all butts. Affix approved " NO SMOKING " signs at all entrances to FL/CL rooms or areas. Minimum 2" red lettering on a white background . Affix approved signs designating that smoking is permitted within approved smoking areas.	
2311.4	Below-grade areas. Per the IMC, provide approved mechanical ventilation, to the pit area(s) of the repair garages, at a minimum rate of 1½ cubic feet per minute per square foot (cfm/ft ²), to prevent the accumulation of flammable vapors. Obtain a permit from the LHC Bldg. Division for installations of ventilation equipment.	
2311.6	Fire extinguishers. Install, or replace smaller capacity, fire extinguishers with minimum 2-A:40-B:C rated models and locate them within 30 feet of all areas of the repair garage. Typical approved size is 3-A:40-B:C .	
2311.7 LNG / CNG	Repair garages for vehicles fueled by lighter-than air fuels. Repair garages for the conversion and repair of vehicles which use CNG, liquefied natural gas (LNG), hydrogen or other lighter-than-air motor fuels shall be in accordance with Sections 2311.7 through 2311.7.2.3 in addition to the other requirements of Section 2311. Exception: Repair garages where work is not performed on the fuel system and is limited to exchange of parts and maintenance requiring no open flame or welding.	
2311.8 Hydrogen	Defueling of hydrogen from motor vehicle fuel storage containers. The discharge or defueling of hydrogen from motor vehicle fuel storage tanks for the purpose of maintenance, cylinder certification, calibration of dispensers or other activities shall be in accordance with §2311.8.1 through §2311.8.1.2.4.	
3503.6 Hot Work	Signage. Affix visible hazard identification signs to warn others before they enter the hot work area, stating " CAUTION - HOT WORK IN PROGRESS - STAY CLEAR! " when required.	
3504.1 Hot Work	Protection of combustibles. Remove combustible materials a reasonable distance away from hot work area . Protect openings or cracks in walls, floors, ducts or shafts within the area.	
3504.1.5 Hot Work	Partitions. Use non-combustible partitions for segregating hot work areas from other areas of the building to prevent the passage of sparks, slag, and heat from the hot work area. Keep floors in work area clean .	
3504.1.6 Hot Work	Floors. Fixed hot work areas shall have floors with noncombustible surfaces . Remove carpet or other combustible materials flooring within a reasonable radius of the hot work area.	
3504.2.6 Hot Work	Fire extinguisher. Provide at least one minimum rated 2-A:20-B:C portable fire extinguisher , accessible within 30 feet of the location where hot work is performed. Typical approved size is 3-A:40-B:C .	
3505.2 Hot Work	Cylinder and container storage, handling and use. Keep gas cylinders and welding carts away from the cutting or welding operation or provide fire-resistant shields . Keep oil and oily materials away from cylinders and equipment.	
3505.6 Hot Work	Cylinders shutoff. Completely shut off the torch valve and close and the gas supply to the torch when gas welding or cutting operations are discontinued for a period of 1 hour or more .	
3506	Electric Arc Hot Work. Ensure the frame is grounded and return circuits to the machine are secure.	
3506.4	Emergency disconnect. Provide a disconnect switch or circuit breaker so that fixed electric welders and control equipment can be disconnected from the supply circuit and in accordance with NFPA 70.	

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