

Table 12.7.: Safe Work Practices

ITEMS	REQUIREMENTS
7. UNDER GROUND OPERATIONS	<u>10. FLAMMABLE AND COMBUSTIBLE LIQUIDS</u> <ul style="list-style-type: none"> i. Class I flammable liquids shall not be taken, stored, or used underground or within 30 m of a tunnel portal or shaft opening. ii. Class II and Class III liquids shall be transported and stored in approved closed containers, safety cans, or tanks. iii. Quantities shall be limited to those necessary for one work shift. iv. Lubricating oils, greases, and rope dressings taken underground shall be in closed and reclosable approved containers that do not allow the contents to leak or spill. v. Oil, grease, and diesel fuel stored underground shall be kept in tightly sealed containers in fire-resistant areas located at least 30 m from shafts and inclines. vi. Storage areas shall be positioned or diked so that the contents of ruptured or overturned containers cannot flow from the storage area. vii. Areas within 7600 mm of major electrical installations and unburied tanks for storage of combustible liquids shall be free of transient combustible materials. viii. No combustible structure shall be erected and no combustible materials shall be stored within 30 m (100 ft.) of an access shaft, shaft hoist, or other entry. ix. Metal containers with self-closing lids shall be provided and used to store combustible waste and debris and shall be removed and taken to the surface daily.
	<u>11. EQUIPMENT</u> <ul style="list-style-type: none"> i. Less hazardous hydraulic fluids that are listed shall be used in underground machinery and equipment unless the machinery and equipment are protected by an approved fire suppression system or by approved multipurpose fire extinguishers rated at least 4-A:40-B:C. ii. Wherever self-propelled equipment is used underground, a fire suppression system or a fire extinguisher rated at least 4-A:40-B:C shall be provided on the equipment.
	<u>12. VENTILATION</u> <ul style="list-style-type: none"> i. Where single-entry shafts/tunnel ventilation systems are used, they shall be reversible from a location outside and in close proximity to the shaft/tunnel. ii. The ventilation system shall be sufficient for the number of personnel and equipment underground. iii. Air-sampling logs shall be maintained. Air tests shall be conducted before or after each shift. iv. Air-sampling logs shall be available to the authority having jurisdiction. v. Fan houses, fan bulkheads for main and booster fans and air ducts connecting main fans to underground openings shall be constructed of noncombustible materials.