

**§ 75.1908**

**30 CFR Ch. I (7-1-00 Edition)**

**§ 75.1908 Nonpermissible diesel-powered equipment; categories.**

(a) Heavy-duty diesel-powered equipment includes—

- (1) Equipment that cuts or moves rock or coal;
- (2) Equipment that performs drilling or bolting functions;
- (3) Equipment that moves longwall components;
- (4) Self-propelled diesel fuel transportation units and self-propelled lube units; or
- (5) Machines used to transport portable diesel fuel transportation units or portable lube units.

(b) Light-duty diesel-powered equipment is any diesel-powered equipment that does not meet the criteria of paragraph (a).

(c) For the purposes of this subpart, the following equipment is considered attended:

- (1) Any machine or device operated by a miner; or
- (2) Any machine or device that is mounted in the direct line of sight of a job site located within 500 feet of such machine or device, which job site is occupied by a miner.

(d) Diesel-powered ambulances and fire fighting equipment are a special category of equipment that may be used underground only in accordance with the mine fire fighting and evacuation plan under § 75.1101-23.

**§ 75.1909 Nonpermissible diesel-powered equipment; design and performance requirements.**

(a) Nonpermissible diesel-powered equipment, except for the special category of equipment under § 75.1908(d), must be equipped with the following features:

- (1) An engine approved under subpart E of part 7 of this title equipped with an air filter sized in accordance with the engine manufacturer's recommendations, and an air filter service indicator set in accordance with the engine manufacturer's recommendations;
- (2) At least one portable multipurpose dry chemical type (ABC) fire extinguisher listed or approved by a nationally recognized independent testing laboratory with a 10A:60B:C or higher rating. The fire extinguisher

must be located within easy reach of the equipment operator and protected from damage;

(3) A fuel system specifically designed for diesel fuel meeting the following requirements:

- (i) A fuel tank and fuel lines that do not leak;
- (ii) A fuel tank that is substantially constructed and protected against damage by collision;
- (iii) A vent opening that maintains atmospheric pressure in the fuel tank, and that is designed to prevent fuel from splashing out of the vent opening;
- (iv) A self-closing filler cap on the fuel tank;
- (v) The fuel tank, filler and vent must be located so that leaks or spillage during refueling will not contact hot surfaces;

(vi) Fuel line piping must be either steel-wire reinforced; synthetic elastomer-covered hose suitable for use with diesel fuel that has been tested and has been determined to be fire-resistant by the manufacturer; or metal;

(vii) Fuel line piping must be clamped;

(viii) Primary fuel lines must be located so that fuel line leaks do not contact hot surfaces;

(ix) The fuel lines must be separated from electrical wiring and protected from damage in ordinary use;

(x) A manual shutoff valve must be installed in the fuel system as close as practicable to the tank; and

(xi) A water separator and fuel filter(s) must be provided.

(4) A sensor to monitor the temperature and provide a visual warning of an overheated cylinder head on air-cooled engines;

(5) Guarding to protect fuel, hydraulic, and electric lines when such lines pass near rotating parts or in the event of shaft failure;

(6) Hydraulic tanks, fillers, vents, and lines located to prevent spillage or leaks from contacting hot surfaces;

(7) Reflectors or warning lights mounted on the equipment which can be readily seen in all directions;

(8) A means to direct exhaust gas away from the equipment operator, persons on board the machine, and combustible machine components;