

## § 36.1

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

- 36.12 Changes after certification.
- 36.13 Withdrawal of certification.

### Subpart B—Construction and Design Requirements

- 36.20 Quality of material, workmanship, and design.
- 36.21 Engine for equipment considered for certification.
- 36.22 Fuel-injection system.
- 36.23 Engine intake system.
- 36.24 Engine joints.
- 36.25 Engine exhaust system.
- 36.26 Composition of exhaust gas.
- 36.27 Fuel-supply system.
- 36.28 Signal or warning device.
- 36.29 Brakes.
- 36.30 Rerailing device.
- 36.31 Fire extinguisher.
- 36.32 Electrical components and systems.
- 36.33 Headlights and fixtures.

### Subpart C—Test Requirements

- 36.40 Test site.
- 36.41 Testing methods.
- 36.42 Inspection.
- 36.43 Determination of exhaust-gas composition.
- 36.44 Maximum allowable fuel: air ratio.
- 36.45 Quantity of ventilating air.
- 36.46 Explosion tests of intake and exhaust systems.
- 36.47 Tests of exhaust-gas cooling system.
- 36.48 Tests of surface temperature of engine and components of the cooling system.
- 36.49 Tests of exhaust-gas dilution system.
- 36.50 Tests of fuel tank.

AUTHORITY: 30 U.S.C. 957, 961.

SOURCE: Schedule 31, 26 FR 645, Jan. 24, 1961, unless otherwise noted.

### Subpart A—General Provisions

#### § 36.1 Purpose.

The regulations in this part set forth the requirements for mobile diesel-powered transportation equipment to procure their approval and certification as permissible; procedures for applying for such certification; and fees.

[61 FR 55525, Oct. 25, 1996]

#### § 36.2 Definitions.

The following definitions apply in this part.

*Applicant* An individual, partnership, company, corporation, association, or other organization, that designs, manufactures, assembles, or controls the assembly and that seeks a certificate

of approval or preliminary testing of mobile diesel-powered transportation equipment as permissible.

*Certificate of approval.* A formal document issued by MSHA stating that the complete assembly has met the requirements of this part for mobile diesel-powered transportation equipment and authorizing the use and attachment of an official approval plate so indicating.

*Component.* A piece, part, or fixture of mobile diesel-powered transportation equipment that is essential to its operation as a permissible assembly.

*Diesel engine.* A compression-ignition, internal-combustion engine that utilizes diesel fuel.

*Explosion proof.* A component or sub-assembly that is so constructed and protected by an enclosure and/or flame arrester (s) that if a flammable mixture of gas is ignited within the enclosure it will withstand the resultant pressure without damage to the enclosure and/or flame arrester(s). Also the enclosure and/or flame arrester(s) shall prevent the discharge of flame or ignition of any flammable mixture that surrounds the enclosure.

*Flame arrester.* A device so constructed that flame or sparks from the diesel engine cannot propagate an explosion of a flammable mixture through it.

*Flammable mixture.* A mixture of gas, such as methane, natural gas, or similar hydrocarbon gas with normal air, that will propagate flame or explode violently when initiated by an incandive source.

*Fuel-air ratio.* The composition of the mixture of fuel and air in the combustion chamber of the diesel engine expressed as weight-pound of fuel per pound of air.

*MSHA.* The United States Department of Labor, Mine Safety and Health Administration.

*Mobile diesel-powered transportation equipment.* Equipment that is:

- (1) Used for transporting the product being mined or excavated, or for transporting materials and supplies used in mining or excavating operations;
- (2) Mounted on wheels or crawler treads (tracks); and