

<u>DIVISION OF MINES GUIDELINES FOR APPLICATION OF REGULATORY STANDARDS MANUAL</u>	
<b>COAL MINE SAFETY ACT</b>	<b>CHAPTER 14.3</b>
<b>ARTICLE 13</b>	<b>FIRE PREVENTION AND FIRE CONTROL</b>
<b>Issue Date: 4/10/00</b> <b>Revised Date: 9/30/02</b>	<b>Page 1 of 2</b>

**Section 45.1-161.206.**

**Diesel Powered Equipment**

**Lead Seals and Other Securing Devices on Diesel Fuel Pumps.**

Lead seals or other securing devices placed on fuel pumps on diesel engines are part of the approval requirements for the use of the machine underground. If lead seals are missing from the fuel pump, they must be replaced for the machine, or engine, to be maintained in compliance. Emission tests must be taken immediately following the discovery of the missing lead seals. If the machine's emission standards are in compliance, and the lead seal replaced, the machine can be placed back in operation. If the machine's emission standards are out of compliance, the machine will be removed from service until repaired.

**Maintenance on Diesel powered Equipment.**

Maintenance of diesel powered equipment can be defined as any or all work that is performed that may affect the engine exhaust emissions conformance with the requirements for their use underground. Any maintenance requirements recommended by the manufacturer in the use and upkeep of the diesel equipment's engine and emissions components should also be considered by the inspector as maintenance work; such as injector adjustments, engine speed adjustments, changing of oil, and the changing of filters, etc. A certified diesel engine mechanic must perform maintenance and repair work on emission components. A certified diesel engine mechanic must inspect permissible and emission components of diesel powered equipment weekly.

**Requirement for Employment of Certified Diesel Mechanic.**

The maintenance work performed on underground diesel powered equipment must be performed by or under the direct supervision of a Virginia certified diesel engine mechanic. If the operator employs this individual directly it is the operator's responsibility to ensure that this individual is certified to perform the necessary work. If the operator contracts their services of an independent contractor, it is the independent contractor's responsibility to use only certified persons to perform or the necessary work. The individual performing the work (i.e., certified person) shall sign the record kept by the operator or the independent contractor for this purpose.

### **Air Quality and Quantity Specifications Required for Diesel Powered Equipment.**

Diesel powered equipment utilized on the working section is to be operated under air quality (Co and NO<sub>2</sub>) guidelines specified in regulations, in the return of each section where diesel equipment is used.

The minimum ventilating air quantity for an individual unit of diesel powered equipment being operated out by the working section shall be at least that specified on the approval plate for that equipment. Such air quantity shall be maintained according to regulations.

### **Process for Approving Diesel Equipment**

All diesel equipment used underground at any mine is approved for use at that particular mine. If the equipment is moved to another mine, it must be approved for use at the new mine. Once initially approved at each mine, the equipment can then be moved between the mine locations.