

**BUREAU OF MINE SAFETY** 

October 31, 2011

Carl Sanns J.H. Fletcher & Company PO Box 2187 Huntington, WV 25722

Re:

ITEM: DIESEL MANHOLE CUTTER

MODEL: CMHC-D; VOLTAGE: 24 VDC; HP: 85 HP @ 2600 RPM

**APSID NO:** 745034

APPROVAL NO. BOTE-D 184-11

ENGINE MFG: CUMMINS MODEL: 4B3.3T HP: 85

**EMISSION SYSTEM TYPE: DST M186** 

**BOTE-DEES NO.** 185-11 PA VENTILATION RATE: 4,500 CFM

Dear Mr. Sanns:

We have completed our evaluation of the equipment noted above, and approve its use in Rosebud bituminous underground coal mines of Pennsylvania. The equipment meets the legal requirements of the *Pennsylvania Bituminous Coal Mine Act.* 

Pennsylvania approval number **BOTE-D 184-11** has been assigned to the equipment. This number must appear conspicuously on the outside of the subject equipment on a 2" x 4" rust-resistant metal plate, or any other Bureau acceptable material. The approval plate should read "Commonwealth of Pennsylvania" and "Approval No. **BOTE-D 184-11.**" The plate and lettering should be resistant to removal by abrasion.

If you want to make changes or alterations on this equipment, a written request outlining the proposed changes, together with any related prints or drawings, must be submitted to this office for approval. If you have any questions, please contact me at the above telephone number.

Sincerely,

Joseph A. Sbaffoni

Bureau of Mine Safety



BUREAU OF MINE SAFETY

January 15, 2013

Carl Sanns J.H. Fletcher & Company PO Box 2187 Huntington, WV 25722

Re:

ITEM: DIESEL MANHOLE CUTTER

MODEL: CMHC-D; VOLTAGE: 24 VDC; HP: 85 HP @ 2600 RPM

APSID NO: 745034

**MODIFICATION TO APPROVAL NO. BOTE-D 184-11** 

\*Please see attached list of modification made.

**ENGINE MFG: CUMMINS** 

MODEL: 4B3.3T

**HP**: 85

**EMISSION SYSTEM TYPE: DST M186** 

**BOTE-DEES NO.** 185-11

PA VENTILATION RATE: 4,500 CFM

Dear Mr. Sanns:

We have completed our evaluation of the equipment noted above, and approve its use in all bituminous underground coal mines of Pennsylvania. The equipment meets the legal requirements of the Pennsylvania Bituminous Coal Mine Act.

Pennsylvania approval number BOTE-D 184-11 has been assigned to the equipment. This number must appear conspicuously on the outside of the subject equipment on a 2" x 4" rust-resistant metal plate, or any other Bureau acceptable material. The approval plate should read "Commonwealth of Pennsylvania" and "Approval No. BOTE-D 184-11." The plate and lettering should be resistant to removal by abrasion.

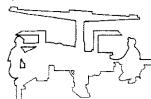
If you want to make changes or alterations on this equipment, a written request outlining the proposed changes, together with any related prints or drawings, must be submitted to this office for approval. If you have any questions, please contact me at the above telephone number.

Sincerely,

of Mine Safety

Enclosure



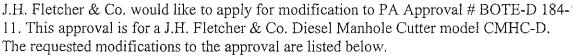


September 20, 2012

Pennsylvania Department of Environmental Protection Bureau of Deep Mine Safety Fayette County Health Center, Room 167 100 New Salem Road Uniontown, PA 15401

Attention: Mr. Arthur Brower

Dear Mr. Brower,



- 1) Change the cutter head from a drum style to an inline style cutter.
- 2) Add panic bars to stop switches giving operator more surface area to push when shutting down machine.
- 3) Remove toggle stop switch from Murphy panel and add E-Stop switch with panic bar to rear of machine.
- 4) Change timer relays controlling audible alarm for starting cutter head from 3 second relays to 5 second relays. This change will give operator increased warning time before cutter head starts.
- 5) Change 4 MCI Headlights to 4 Victor Headlight / Taillight Assemblies PA Approval # BOTE 155-10
- 6) Added an electrical panel with a Murphy Model ST8 Selectronic Tattletale Annunciator mount in cover and connect in with engine shutdowns.
- 7) Diesel engine to require 2 handed start. This will be done by pushing the reset button on annunciator panel at the same time the key switch is turned.
- 8) Replace ammeter on Murphy Shutdown Panel with voltmeter.

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