



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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. Scaffoni
Director
Bureau of Mine Safety



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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,



Joseph A. Scaffoni
Director
Bureau 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,

J.H. Fletcher & Co. would like to apply for modification to PA Approval # BOTE-D 184-11. This approval is for a J.H. Fletcher & Co. Diesel Manhole Cutter model CMHC-D. The requested modifications to the approval are listed below.

- 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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