



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF MINE SAFETY

736

June 10, 2011

Mr. Eric S. Grimm  
Mine Superintendent  
Dana Mining Co., Inc  
P.O. Box 1170  
Morgantown, WV 26507-1170

Re: Rohmac Model PC740 Diesel Rubber tire Personnel Carrier  
Engine and emissions control package evaluation under Sections 403, 417,  
and 418 of the Act for a Deutz BF4L2011 (MSHA ID 07-ENA040004 Part 7)  
78 hp @2800 rpm engine with a Rohmac DEC1202 emissions control system  
using an Clean Air Permit Model FUA180W4CN-DPM filter and a CleanAir  
Assure ModelCWD0700BCCN oxidation catalyst in a Rohmac Diesel Mine  
Rover, Model PC740 diesel rubber tire personnel carrier.

Dear Mr. Grimm:

This letter is in response to your June 1 request for temporary approval to utilize the Rohmac PC740 diesel powered Personnel Carrier prior to the July 13 TAC Meeting.

The Bureau of Mine Safety and the TAC Committee performed inspections and conducted tests on May 24 on the above referenced equipment. The TAC Committee issued a recommendation on June 3 for temporary approval of the above described diesel power package if requested before the regularly scheduled TAC Meeting on July 13, at which time the TAC should recommend final approval for the unit. Due to the unique design of the exhaust gas cooling chamber, the TAC recommendation includes the following special stipulations:

- There will be a clean out port installed in the mixing box to aid in clean out.
- The mixing box will be cleaned out during each 100 hour maintenance or more often if necessary to avoid accumulations of dust or contaminants. This will be recorded on the 100 hour maintenance checklist.
- During preoperational checks, prior to engine start up, the operator will make certain the inlet to the intake fan is free of obstructions, and feel for air movement at the exhaust of the mixing box while the intake fan is running to verify the fan is operating. These checks will be recorded on the pre-operational check list.
- **This recommendation is provided with the understanding that the General Specification Sheet (Attachment 1) be strictly adhered to.**

The Bureau of Mine Safety grants temporary approval for this equipment to be used prior to the regular scheduled TAC Meeting on July 13, 2011. The above TAC recommendations must be strictly adhered to at all times during the use of this equipment.

Sincerely,



Joseph A. Scaffoni  
Director  
Bureau of Mine Safety

Enclosure

cc: Ron Bowersox  
Paul Borchick

## General Specification Sheet

### I. Engine

Manufacturer	Deutz	High Idle (RPM)	3150
Manufacturer Address	3883 Steve Reynolds Blvd Norcross, GA 30093	Particulate Index (PI)	2500
Engine Model No.	BF4L 2011	Gaseous Ventilation Rate (CFM)	6000
Engine Serial No.	10946179	Raw DPM (gr/hr)	3.7
HP/RPM	78 / 2800	MSHA Part 7 Approval No.	07-ENA040004
Low Idle (RPM)	900	Type of Aspiration	Turbocharged
Max. Dirty Intake Air Restriction (H <sup>2</sup> O)	26	Turbocharger Boost Pressure (psi)	11.6 - 15.9
Max. Allowed Backpressure H <sup>2</sup> O	30	Fuel Delivery System	Direct Injection

### II. Particulate Filter

Manufacturer	CleanAir Systems
Manufacturer Address	PO Box 23449, Santa Fe, NM 87502
Model Number	FUA180W4CN
System Type	Ceramic non-catalyzed
Efficiency Rating	85%

### III. Catalyst

Manufacturer	CleanAir Systems
Manufacturer Address	PO Box 23449, Santa Fe, NM 87502
System Name	Assure DOC
Model Number	CWD0700BCCN

### IV. Flame Arrestor

Manufacturer	Protectoseal
Manufacturer Address	225 Foster Ave., Bensenville, IL 60106-1690
System Name	Series 670 End-of-Line Circular Plate Flame Arrestor
Model Number	F674
MESG	0.025"

Attachment 1