

EIMCO COAL MACHINERY INC.

VEHICLE PERMISSIBILITY CHECK LIST

MODEL 913 LOAD HAUL DUMP

Vehicle Approval  
Power Package Approval

**36C** -

If an MSHA approval plate is affixed to this vehicle it must meet the requirements of Part 36, Title 30, Code of Federal Regulations It is the responsibility of the user to see that this vehicle is maintained in a permissible condition and used in a permissible manner.

Listed below are the items and functions that must be maintained at all times in order to keep approval status of this vehicle. This check list should be posted for easy reference by the personnel that have been assigned this responsibility.

(WEEKLY) WHERE SHOWN ON THE FOLLOWING PAGES DESIGNATES THOSE INSPECTION CHECKS THAT MUST BE PERFORMED DURING THE WEEKLY MAINTENANCE EXAMINATION IN ACCORDANCE WITH 30 CFR. SECTION 75.1914

ALL INSPECTIONS AND TESTS SHALL BE PERFORMED IN FRESH AIR

For a complete permissibility evaluation, this check list must be used in conjunction with a Safety System Permissibility Checklist and an Electrical System Permissibility checklist:

FUEL SYSTEM

- (WEEKLY) 1.     ( )    No auxiliary fuel tanks have been added to this vehicle.
- (WEEKLY) 2.     ( )    There are no fuel leaks.
- (WEEKLY) 3.     ( )    The fuel cap is vented and self closing, and attached to the tank in a manner which will prevent 'loss during refueling. (Vent hole through center of cap must be operable) [Figure 1.]\*
- (WEEKLY) 4.     ( )    Fuel filters are installed and in working order.\*  
                  \*Refer to page 5 - Machine Layout Diagram.

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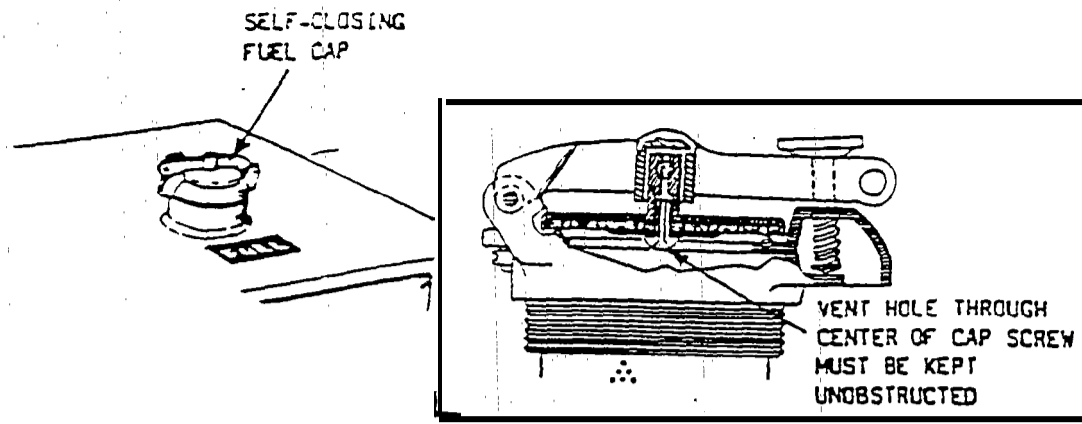


FIGURE 1

- (WEEKLY) 5. ( ) Manual fuel shutoff valve installed between fuel tank and engine is accessible and operational.
- (WEEKLY) 6. ( ) Fuel lines are secured and not routed near or connected to hot exhaust components and are protected from external damage.
- (WEEKLY) 7. ( ) The fuel injection rate adjustment mechanism and the engine governor setting are locked and sealed.: (Figure 2)\*
- (WEEKLY) 8. ( ) The drain plug in the fuel tank is secure.  
\*Refer to page 5 - Machine Layout Diagram

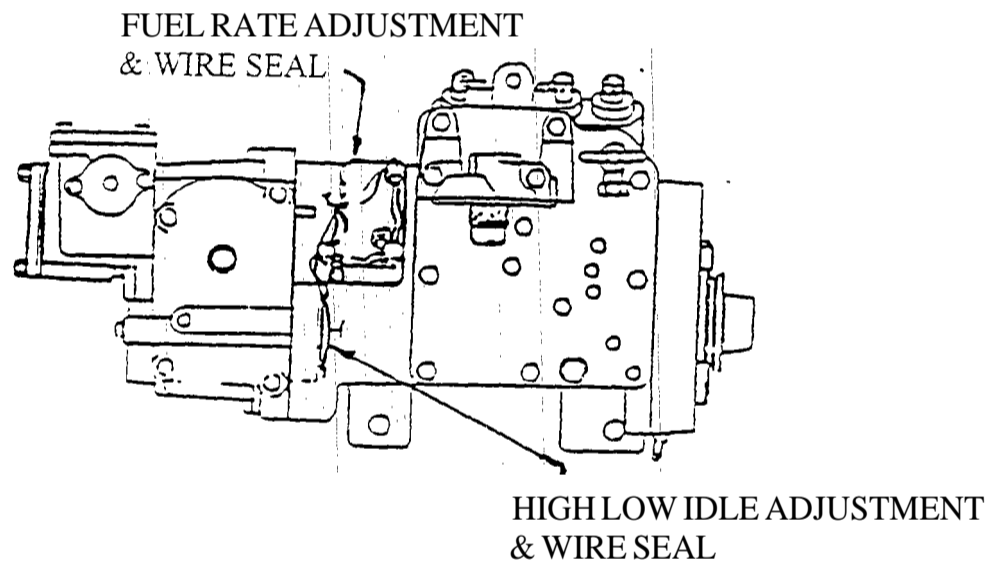


FIGURE 2 - SEALED ENGINE ADJUSTMENTS

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## MISCELLANEOUS

The design of the exhaust conditioner limits permissible operation to grades not exceeding 32%  
The service brake will stop and hold the machine on a 32% grade: also park brake will hold the  
'machine on a 32% grade'.

- (WEEKLY) 1.          The vehicle has an MSHA vehicle and power package approval plate attached to it. [5]\*
- (WEEKLY) 2.          The vehicle is equipped with a multipurpose dry chemical type (ABC) fire extinguisher that is fully charged [6] and is of a 10A:60B: C or higher rating.
- (WEEKLY) 3.          Check that fire extinguisher is ready for operation by verifying that the pressure gauge indicator is in the white zone.
4.                  The fire suppression system is tested and maintained in accordance with the manufacturer's recommended inspection and maintenance program, as required by the nationally recognized independent testing laboratory listing or approval. Determine that the system is operable by the following checks:
- a.     Note general appearance for mechanical damage or corrosion.
- b.     Check nameplate(s) for readability.
- c.     Remove fill cap assembly.
- d.     Make certain extinguisher is filled with free-flowing Ansul dry chemical to the level of not more than 3 inches from the bottom of the fill opening.
- e.     Secure fill cap, hand tighten.
- f.     Remove cartridge from extinguisher and examine disc - seal should be unruptured.
- g.     Return cartridge to cartridge: receiver/actuator assembly, hand tighten.

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Refer to Page 5 - [Machine Layout Diagram

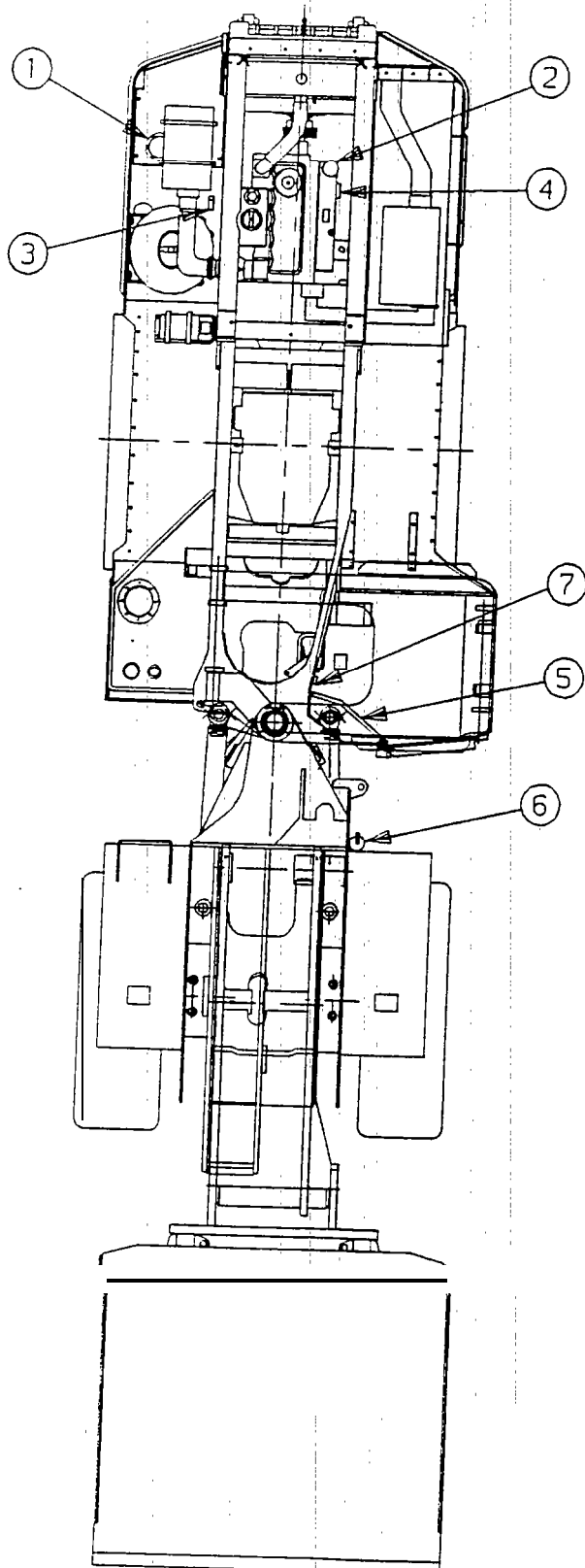
- ( ) h. Check piping hose, fittings and nozzles for mechanical damage and cuts.
  - ( ) i. Check nozzle openings - slot should be closed (capped) with silicone grease or covered with black plastic blow-off cap.
  - ( ) j. Remove cartridge from remote actuator, and examine disc - seal should be reaptured.
  - ( ) k. Return cartridge to remote actuator assembly, hand tighten.
  - ( ) l. Replace any, broken or missing lead and wire seals.
- (WEEKLY) 5. ( ) The engine: will not start unless the transmission control is in the neutral position.
- (WEEKLY) 6. ( ) The main air pressure gauge in the operator's compartment is operable.
- (WEEKLY) 7. ( ) The exhaust diffuser is connected to the scrubber outlet and the exhaust gas from it is discharged into the path of the engine driven blower, fan.

#### BRAKING SYSTEM

- (WEEKLY) 1. ( ) Brake tests to be conducted on a relatively level surface away from traffic areas where other machines or persons may be moving about. Consider the possible consequence of testing a machine with assumed braking inadequacies, and select an area where the machine would not cause an accident due to the inadequacies.
- (WEEKLY) 2. ( ) The park brake is operable. [7]\*
- Check that it holds the vehicle from moving with the transmission controls in forward, in second gear, and with the engine operating at high rpm. During this test, the Park Brake Test Valve must be held in a pulled out position.
- (WEEKLY) 3. ( ) The service brake, is operable.
- Check that it holds the vehicle from having with the transmission in forward, in second gear, and with engine operating at high rpm.

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MACHINE LAYOUT DIAGRAM



- 2. FUEL FILTER
- 3. FUEL SHUTOFF VALVE
- 4. FUEL RATE ADJUSTMENT
- 5. MSHA APPROVAL PLATE
- 6. FIRE EXTINGUISHER
- 7. PARK BRAKE CONTROL

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