



Ohio Administrative Code Rule 1501:10-2-19 Schedule of maintenance.

Effective: November 3, 2011

(A) At intervals not to exceed one hundred hours of engine operation, or at intervals specified and approved by the chief, a mechanic qualified in accordance with rule 1501:10-2-24 of the Administrative Code shall perform the following maintenance on all diesel-powered equipment and make all necessary adjustments and repairs to meet the manufacturer's specifications and the requirements of this chapter, or remove the equipment from service:

- (1) Wash or steam-clean the equipment;
- (2) Check for and remove any accumulations of coal, coal dust or other combustible materials;
- (3) Check the equipment for damaged or missing components or other visible defects;
- (4) Conduct electrical and safety component inspections;
- (5) Replace engine oil and filter at the standard one hundred hour interval unless an extended interval is approved by the chief in accordance with paragraph (B) of this rule;
- (6) Check the transmission oil level and add oil, if necessary;
- (7) Check hydraulic oil level and add oil, if necessary;
- (8) Check the engine coolant level and add coolant, if necessary;
- (9) Check all other fluid levels and add fluid, if necessary;
- (10) Check for oil, coolant and other fluid leaks;
- (11) Inspect the cooling fan, radiator and shroud. Remove any obstructions and make necessary



repairs;

(12) Check all belts. Tighten or replace, if necessary;

(13) Check the battery and service as necessary;

(14) Check the automatic fire suppression system;

(15) Check the portable fire extinguisher;

(16) Check the lights;

(17) Check the warning devices;

(18) With the engine operating, check, and replace or repair as necessary, the following:

(a) Oil pressure;

(b) Intake air restriction at full engine speed;

(c) Exhaust gas restriction at full engine speed;

(d) Exhaust flame arrestor; and

(e) All gauges and controls;

(19) Conduct repeatable loaded engine-operating test in accordance with rule 1501:10-2-21 of the Administrative Code;

(20) If the equipment is approved with a non-disposable diesel particulate filter, a smoke dot test of the filtered exhaust must be performed at this time. The results of the smoke dot test shall be recorded on the one hundred hour emissions form. If the interpreted smoke dot number is greater than three, but less than four, the operator shall immediately, in writing, notify the chief. The chief



may request the technical advisory committee, in accordance with rule 1501:10-2-27 of the Administrative Code, to conduct an investigation to determine if the filter is functioning properly;

(21) Evaluate and interpret the results of all of the above tests and examinations, and make all necessary adjustments and repairs or remove the equipment from service; and

(22) Comply with record-keeping requirements of rule 1501:10-2-17 of the Administrative Code.

(B) Extended interval for replacement of engine oil and filter.

(1) If a mine operator wants to replace engine oil and filter at an interval greater than the standard one hundred hour interval, the operator shall:

(a) Have an appropriate independent third party conduct tests to provide empirical evidence that replacing engine oil and filter at a specified interval of greater than one hundred hours poses no increased health hazard to underground miners;

(b) Obtain approval of the results of such tests from the equipment manufacturer for equipment to be used in an underground mine; and

(c) Submit to the chief a request for a specified extended interval for replacement of engine oil and filter, including the test data and manufacturer approval of paragraphs (B)(1)(a) and (B)(1)(b) of this rule.

(2) The chief may request the technical advisory committee, in accordance with rule 1501:10-2-27 of the Administrative Code, to evaluate the results of the tests conducted pursuant to paragraph (B)(1)(a) of this rule and to review and make a recommendation regarding the extended interval. After review of the information submitted under paragraph (B) of this rule, the chief may approve, in writing, a specified extended interval for replacing engine oil and filter.

(3) The mine operator shall keep a copy of the approval letter for the specified extended interval for replacing engine oil and filter with the maintenance records for the piece of equipment for which the extended interval was granted for the duration of equipment use, and shall make the approval letter



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available to the chief or his or her representative, miners of the mine, and other interested parties upon request.