

## Mobile Equipment Exams

### 30 CFR § 56.2

#### Definitions.

The following definitions apply in this part. In addition definitions contained in any subpart of part 56 apply in that subpart. If inconsistent with the general definitions in this section, the definition in the subpart will apply in that subpart:

*Mobile equipment* means wheeled, skid-mounted, track-mounted, or rail-mounted equipment capable of moving or being moved.

*Travelway* means a passage, walk or way regularly used and designated for persons to go from one place to another.

### 30 CFR § 56.14100 Safety defects; examination, correction and records.

#### SAFETY DEVICES AND MAINTENANCE REQUIREMENTS

- (a) Self-propelled mobile equipment to be used during a shift shall be inspected by the equipment operator before being placed in operation on that shift.
- (b) Defects on any equipment, machinery, and tools that affect safety shall be corrected in a timely manner to prevent the creation of a hazard to persons.
- (c) When defects make continued operation hazardous to persons, the defective items including self-propelled mobile equipment shall be taken out of service and placed in a designated area posted for that purpose, or a tag or other effective method of marking the defective items shall be used to prohibit further use until the defects are corrected.
- (d) Defects on self-propelled mobile equipment affecting safety, which are not corrected immediately, shall be reported to and recorded by the mine operator. The records shall be kept at the mine or nearest mine office from the date the defects are recorded, until the defects are corrected. Such records shall be made available for inspection by an authorized representative of the Secretary.

## **Mobile Equipment Exams**

### **56/57.14100 Safety Defects: Examination, Correction, and Records (PPM)**

This standard applies to all off-road and on-road self-propelled equipment used on mine property, including vehicles such as vans, suburbans, and pick-up trucks that are used at mine sites and remain on mine property. In most instances, it does not apply to vehicles used to transport persons between locations off mine property to mine property; however, if such vehicles transport personnel on mine property (e.g., from the gate to various sites at the mine), then such equipment must be inspected.

This standard will not be cited when an audible warning device has been installed on heavy duty mobile equipment at surface mines and surface operations of underground mines, but is inoperative because of electrical or mechanical defect.

Standard .14132 shall be used when the equipment has not been equipped with audible warning devices, or when they have been so equipped, and the device is not operational for whatever reason.

In some cases, mine operators have installed audible reverse alarms on underground equipment because prevailing conditions have dictated the need for a warning device to ensure miner safety. In this instance, Standard .14100 can be considered if the alarm is inoperable or inaudible and the defect can be shown to affect the safety of workers in the area. Surrounding noise levels, confined work areas, and distracting work assignments shall be considered at the time.



**DAILY CHECKSHEET**

**Caterpillar 980G**

**Front End Loader**

UNIT # :	HOUR METER START:	DATE: _____
	HOUR METER END:	
OPERATOR :		

ITEM	TASK	CHECK	INFORMATION
ENGINE	CHECK LEVEL & FOR LEAKS		15W40
ALL VEE BELTS CONDITION	CHECK CONDITION		Report defects
AIR FILTER	CHECK INDICATOR		Replace as required
RADIATOR	CHECK LEVEL & FOR LEAKS		50 / 50 Mixture
FUEL TANK	CHECK LINES & TANK LEVEL		Inspect for leaks
HYDRAULIC LEVEL	CHECK LEVEL / LEAKS		Mobil Hydraulic Oil
FIRE EXTINGUISHER SEALS	CHECK CONDITION		Replace as required
TIRES & WHEELS	CHECK FOR LOOSE NUTS		Check Tire Condition & Report
CHECK CYLINDER PINS	CHECK FOR TAKING GREASE		Visual Inspect Points & Cannister Level
BUCKET	CHECK CONDITION		Check Pins for Grease
CYLINDERS & HOSES	CHECK FOR LEAKS / DAMAGE		Report Defects
SEAT & SEAT BELT	CHECK CONDITION		Report Defects
WARNING LAMPS & HORN	CHECK OPERATION		Report Defects
GAUGES	CHECK OPERATION		Report defects
LIGHTS	CHECK ALL		Repair as required
BACK-UP ALARM	CHECK B/U Alarm & Horn		Test Operation
SHIFT LINKAGES	CHECK OPERATION		Report Defects
CONTROLS & STEERING	CHECK OPERATION		Report defects
BRAKES	CHECK PARKING & SERVICE		Service Brake-2nd Fwd. P.Brake 3rd Fwd.
TRANSMISSION	CHECK LEVEL/RUNNING		Mobil Transmission oil HD30
CONDITION OF UNIT	WINDOWS, DOORS, BODY ETC.		Report any Damage or defects

**IS YOUR UNIT CLEAN AND SAFE !!** **IF NOT HAVE CORRECTED IMMEDIATELY**

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# MOBILE EQUIPMENT PRE-OPERATION INSPECTION

"X" ALL ITEMS IN ACCEPTABLE CONDITION. IF REPAIRS ARE NEEDED LIST BELOW. CONDITIONS AFFECTING SAFE OPERATION MUST REPAIRED BEFORE CONTINUING OPERATION OF THE EQUIPMENT.

EQUIPMENT _____					
NUMBER _____					
OPERATOR _____					
Date					
B-Up Alarm					
Brakes					
Park Brake					
Fire Ext.					
Horn					
Seat Belt					
Windows					
Mirrors					
Wipers					
Defroster					
Engine					
Fuel Tank					
Heater					
Hydraulics					
Mirrors					
Steering					
Tires					
LIST ANY REPAIRS NEEDED:					

EQUIPMENT _____					
NUMBER _____					
OPERATOR _____					
Date					
B-Up Alarm					
Brakes					
Park Brake					
Fire Ext.					
Horn					
Seat Belt					
Windows					
Mirrors					
Wipers					
Defroster					
Engine					
Fuel Tank					
Heater					
Hydraulics					
Mirrors					
Steering					
Tires					
LIST ANY REPAIRS NEEDED:					

EQUIPMENT _____					
NUMBER _____					
OPERATOR _____					
Date					
B-Up Alarm					
Brakes					
Park Brake					
Fire Ext.					
Horn					
Seat Belt					
Windows					
Mirrors					
Wipers					
Defroster					
Engine					
Fuel Tank					
Heater					
Hydraulics					
Mirrors					
Steering					
Tires					
LIST ANY REPAIRS NEEDED:					

EQUIPMENT _____					
NUMBER _____					
OPERATOR _____					
Date					
B-Up Alarm					
Brakes					
Park Brake					
Fire Ext.					
Horn					
Seat Belt					
Windows					
Mirrors					
Wipers					
Defroster					
Engine					
Fuel Tank					
Heater					
Hydraulics					
Mirrors					
Steering					
Tires					
LIST ANY REPAIRS NEEDED:					

**MOBILE EQUIPMENT PRE-OPERATION EXAM**

Equipment \_\_\_\_\_ Date \_\_\_\_\_

Tires, linkage, u-joints – worn, cracked, bent, cut \_\_\_\_\_

Handholds, ladder, steps – clean, bent, broken \_\_\_\_\_

Door – latches properly \_\_\_\_\_

ROPS – labeled, defective \_\_\_\_\_

Mirrors – broken, dirty \_\_\_\_\_

Seat belts – clean, latches properly \_\_\_\_\_

Lights, wipers, gauges – operational \_\_\_\_\_

Windshield, cab glass – good visibility, cracked \_\_\_\_\_

Reverse alarm, horn – operational \_\_\_\_\_

Service/foot brake – stop loaded on maximum grade \_\_\_\_\_

Parking brake – hold stopped vehicle \_\_\_\_\_

Comments

---

---

---

---

---

---

---

---

**DAILY SAFETY CHECKLIST FOR TRUCKS**

MONTH

**TRUCK NUMBER**

DATE													
Oil													
Water													
Fuel													
Brake Fluid													
Belts													
Mirrors													
Windows													
Tires													
Brakes													
Emergency Brake													
Hoses / Air Leaks													
Fire Extinguisher													
Frame													
Pins													
Access													
Lights													
Seat Belt													
Horn													
Back up Alarm													
Operator Initial													

**LIST REPAIRS NEEDED**

---



---



---



---



---



---

**DAILY CHECKSHEET**

**Caterpillar 771D TRUCK**

**Haul Truck**

UNIT # :

HOUR METER START: \_\_\_\_\_

HOUR METER END: \_\_\_\_\_

DATE: \_\_\_\_\_

OPERATOR : \_\_\_\_\_

ITEM	TASK	CHECK	INFORMATION
ENGINE	CHECK LEVEL & FOR LEAKS		15W40
ALL VEE BELTS CONDITION	CHECK CONDITION		Report defects
AIR FILTER	CHECK INDICATOR		Replace as required
RADIATOR	CHECK LEVEL & FOR LEAKS		50 / 50 Mixture
FUEL TANK	CHECK LINES & TANK LEVEL		Inspect for leaks
HYDRAULIC LEVEL	CHECK LEVEL / LEAKS		Mobil Hydraulic Oil
STEERING TANK LEVEL	CHECK LEVEL		INSPECT FOR LEAKS
AUXILIARY STEERING	TEST OPERATION		REPORT DEFECTS
FIRE EXTINGUISHER SEALS	CHECK CONDITION		Replace as required
TIRES & WHEELS	CHECK FOR LOOSE NUTS		Check Tire Condition & Report
CHECK CYLINDER PINS	CHECK FOR TAKING GREASE		Visual Inspect Points & Cannister Level
ROCK BOX & TAIL GATES	CHECK CONDITION		Check Pins for Grease
CYLINDERS & HOSES	CHECK FOR LEAKS / DAMAGE		Report Defects
SEAT & SEAT BELT	CHECK CONDITION		Report Defects
WARNING LAMPS & HORN	CHECK CMS OPERATION		Report Defects
GAUGES	CHECK OPERATION		Report defects
LIGHTS	CHECK ALL		Repair as required
BACK-UP ALARM	CHECK B/U Alarm & Horn		Test Operation
SHIFT LINKAGES	CHECK OPERATION		Report Defects
CONTROLS & STEERING	CHECK OPERATION		Report defects
BRAKES	CHECK PARKING & SERVICE		Test Operation of Both
TRANSMISSION	CHECK LEVEL/RUNNING		Mobil Transmission oil
CONDITION OF UNIT	WINDOWS, DOORS, BODY ETC.		Report any Damage or defects
<b>IS YOUR UNIT CLEAN AND SAFE !!</b>		<input type="checkbox"/>	<b>IF NOT HAVE CORRECTED IMMEDIATELY</b>

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**DAILY CHECKSHEET**

Motor Grader

14G

UNIT # : \_\_\_\_\_ HOUR METER START: \_\_\_\_\_  
 HOUR METER END: \_\_\_\_\_ DATE: \_\_\_\_\_

OPERATOR : \_\_\_\_\_

ITEM	TASK	CHECK	INFORMATION
ENGINE	CHECK LEVEL & FOR LEAKS		15W40
ALL VEE BELTS CONDITION	CHECK CONDITION		Report defects
AIR FILTER	CHECK INDICATOR		Replace as required
RADIATOR	CHECK LEVEL & FOR LEAKS		50 / 50 Mixture
FUEL TANK	CHECK LINES & TANK LEVEL		Inspect for leaks
HYDRAULIC LEVEL	CHECK LEVEL / LEAKS		Mobil Hydraulic Oil
FIRE EXTINGUISHER SEALS	CHECK CONDITION		Replace as required
TIRES & WHEELS	CHECK FOR LOOSE NUTS		Check Tire Condition & Report
CHECK CYLINDER PINS	CHECK FOR TAKING GREASE		Visual Inspect Points & Cannister Level
BLADE	CHECK CONDITION		Check Pins for Grease
CYLINDERS & HOSES	CHECK FOR LEAKS / DAMAGE		Report Defects
SEAT & SEAT BELT	CHECK CONDITION		Report Defects
WARNING LAMPS & HORN	CHECK OPERATION		Report Defects
GAUGES	CHECK OPERATION		Report defects
LIGHTS	CHECK ALL		Repair as required
BACK-UP ALARM	CHECK B/U Alarm & Horn		Test Operation
SHIFT LINKAGES	CHECK OPERATION		Report Defects
CONTROLS & STEERING	CHECK OPERATION		Report defects
BRAKES	CHECK PARKING & SERVICE		Service Brake-2nd Fwd. P.Brake 3rd Fwd.
CONDITION OF UNIT	WINDOWS, DOORS, BODY ETC.		Report any Damage or defects
<b>IS YOUR UNIT CLEAN AND SAFE !!</b>		<input type="checkbox"/>	<b>IF NOT HAVE CORRECTED IMMEDIATELY</b>

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_