



Caterpillar

Operator's Manual

**S/N 22X1, 23X1, 24X1,
25X1, 26X1, 43X1, 44X1,
45X1, 46X1, 47X1, 48X1,
49X1, 21Y1 & UP**

JENSALES

Operator's Manual

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CT-O-D5B 22X1+



SHOP OFFICE

operation & maintenance

D5B

Track-Type Tractor

JENSALES.COM

or Call 800-443-0625

**22X1-UP
23X1-UP
24X1-UP**

**25X1-UP
26X1-UP
43X1-UP**

**44X1-UP
45X1-UP
46X1-UP**

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48X1-UP
49X1-UP
21Y1-UP**

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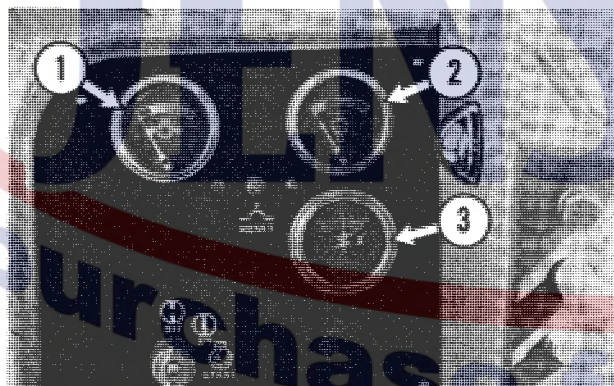
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Operator's Compartment

Gauges



Service Hour Meter — Indicates the total number of hours the engine has operated. Use it to determine service intervals.



1. Engine Oil Pressure — When the pointer in the gauge is in the red area at high idle, the engine oil pressure is too low. The green area indicates normal at high idle. The white area indicates normal at low idle.

Stop operation of the machine and stop the engine when the pointer is in the red area.

Possible cause could be an oil pump failure, loss of oil, low oil or clogged engine oil filter element, etc.

Replace the engine oil filter element.

Refer to the "Maintenance" section of this guide for the oil filter element removal instructions.

NOTICE

Operate the engine at low idle until normal oil pressure registers.



2. Engine Coolant Temperature — When the pointer in the gauge is in the red area, the coolant temperature is too high. The green area indicates normal at high idle. The white area indicates normal at low idle.

Stop operation of the machine when the pointer is over the red area.

Slow the engine to 3/4 of high idle, to reduce the excessive temperature.

If the pointer remains in the red area after a few minutes of operation, stop the engine. Have the necessary repairs made before starting again.

Possible cause could be a water pump failure, defective relief valve cap, hose or radiator, low coolant level, plugged radiator core, etc.



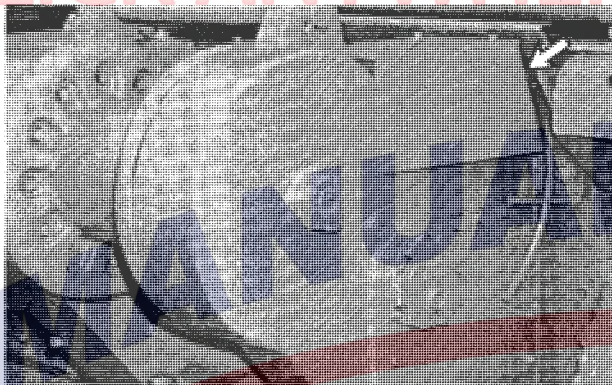
3. Alternator — When the pointer in the gauge is in the minus (—) area at 1/2 or more engine speed, the alternator is not working properly.

The machine can be operated until repairs can be made. However, if the electrical accessories are used, the battery will discharge rapidly.

Possible cause could be a loose alternator belt or a bad electrical connection, low battery electrolyte or defective battery, gauge, etc.

Operating Adjustments

Winch



The winch has an adjustable sequence valve, which permits the selection of either "inching" or "no inch" characteristics, during REEL IN and REEL OUT operations.

"Inching" is the controlled movement of the cable during a REEL IN or REEL OUT operation. The inching setting is generally used when the machine and winch are used for construction and pipeline work. This setting gives the operator the control necessary to put an object in an exact position.

Where precision control is not necessary, as when logs are moved, the "no inch" setting may be used.

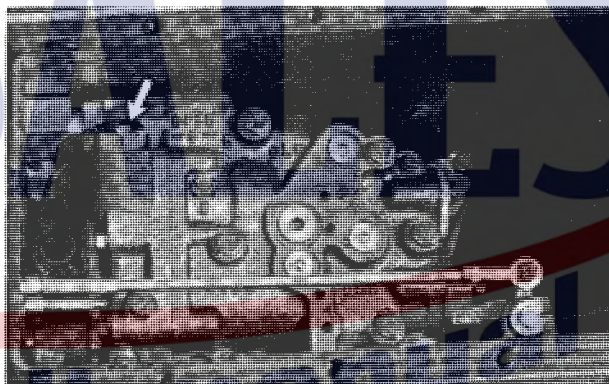
When using the inching setting, move the winch control lever to either the REEL IN or REEL OUT channel. Move the lever into the channel to start drum rotation. Use the engine speed to control the inching rate. Always use a slower engine speed for better control when inching.

The adjustable sequence valve, is set in the "inching" position at the factory.

To Adjust:



1. Remove the cover.



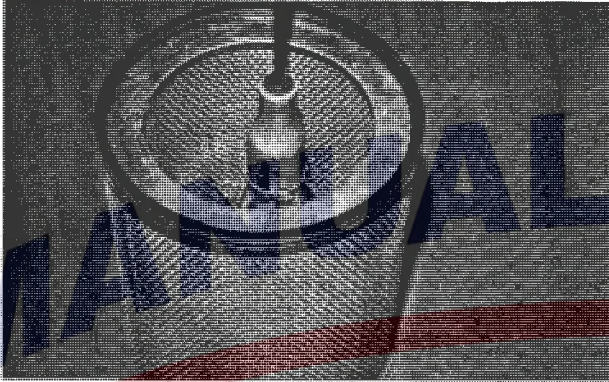
2. Remove the plug from the end of the valve.

3. Use a screwdriver and turn the stop assembly.

The slot in the stop assembly must be aligned with either the "inch" or "no inch" mark. Install the plug and cover.

Water Separator

Inspect the Filter Element



1. Insert a light inside a dry and cleaned filter element. Discard any filter element with rips or tears.



2. Wrap and store the clean filter elements in a clean, dry place.

Replace the Filter Element

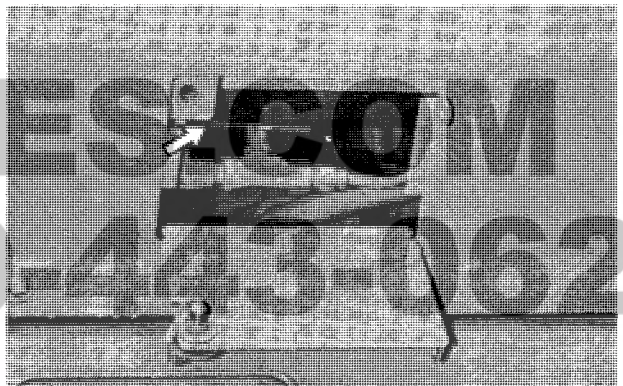
WARNING

Fuel leaked or spilled onto hot surfaces or electrical components can cause a fire.

Turn the disconnect switch OFF or disconnect the battery when changing fuel filters or fuel water separator elements. Drain the fuel from the fuel water separator into a container before removing the water separator retaining clamp.



Replace the filter element when the holes become clogged.



1. Open the cover under the fuel tank. Turn the handle to the right to close the fuel supply valve.

Engine Crankcase Breather

Clean the Breather

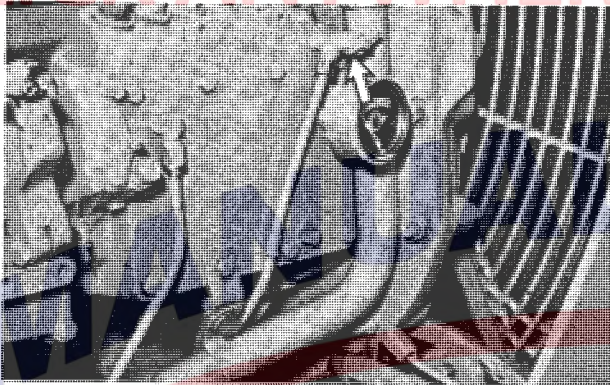
WARNING

Hot oil and components can cause personal injury. Do not allow hot oil or components to contact skin.

Use all cleaning solutions with care.

Pressure air can cause personal injury.

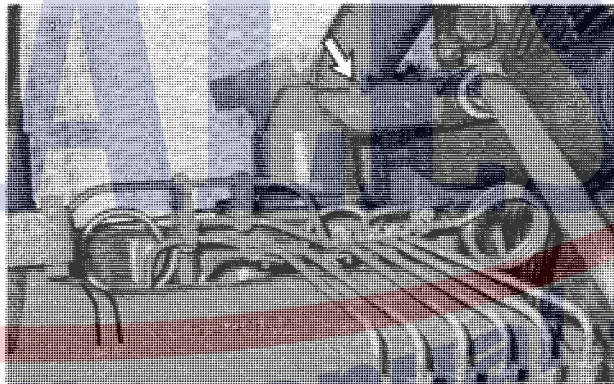
When using pressure air for cleaning, wear a protective face shield, protective clothing and protective shoes.



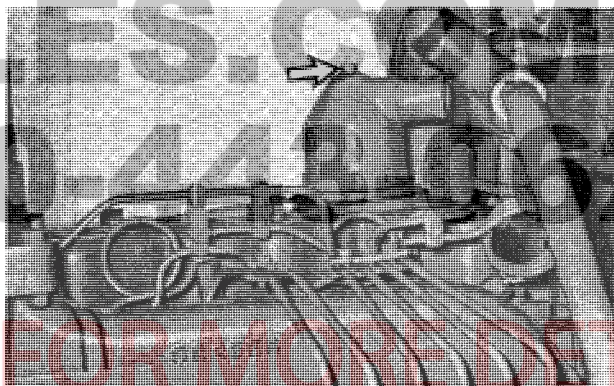
- 4.** Close the bleed valve.



- 5.** Turn the plunger to the right to lock.
6. Start the engine and inspect for leaks.



- 1.** Loosen the breather outlet hose clamp and remove the hose from the breather cover.



- 2.** Loosen the breather retaining bolt and remove the breather.