



Caterpillar

Operator's Manual

#29 Cable Controls

S/n 56C1 & Up

Operator's Manual

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or Call 800-443-0625



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CT-O-29 CC

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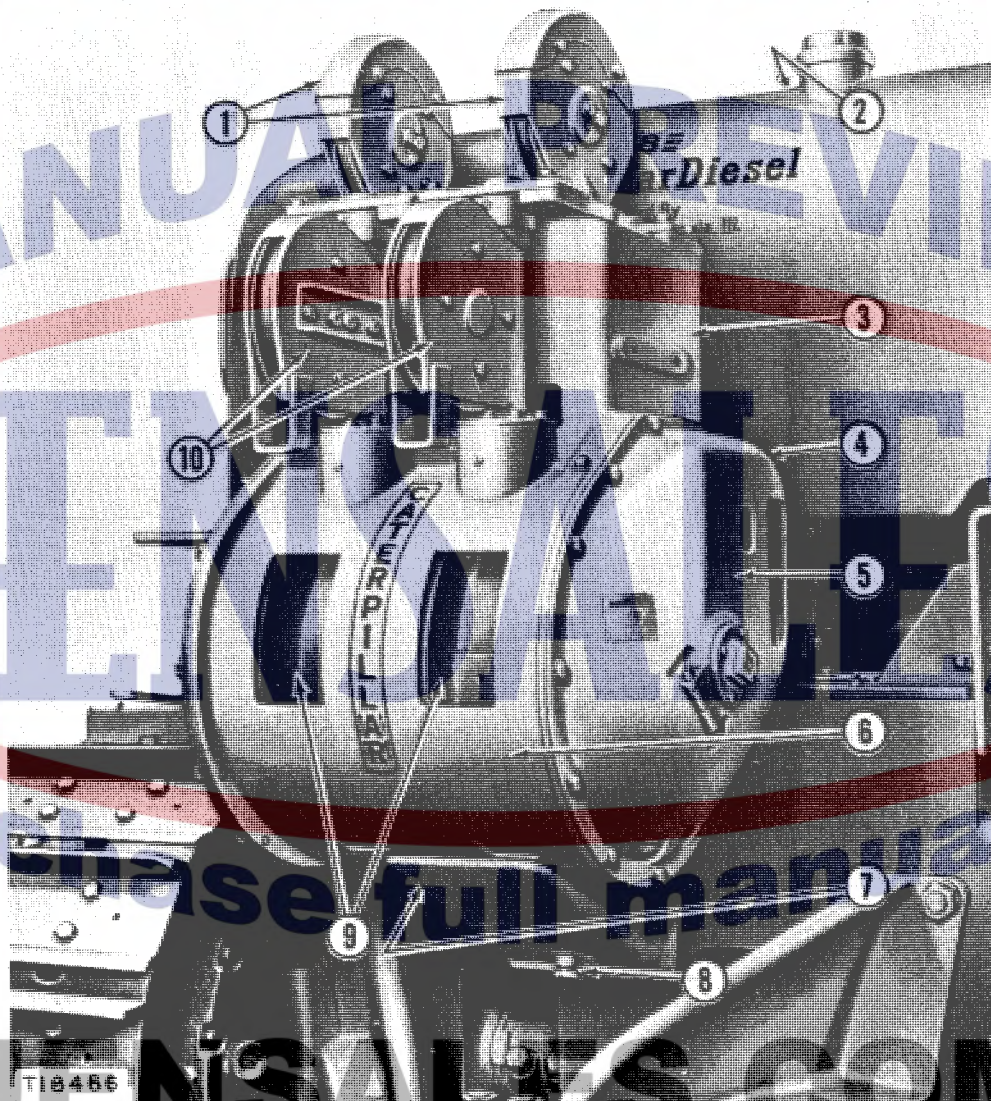
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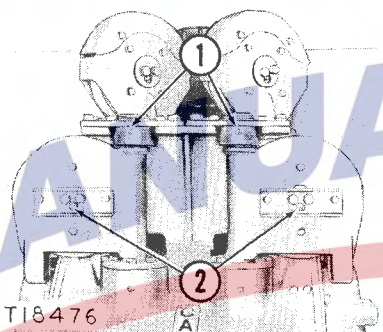
NO. 29 CABLE CONTROL RIGHT-REAR VIEW
(Rear Mounted Double Drum)

1-Swivel sheaves. 2-Control levers. 3-Sheave bracket support. 4-Breather and fill plug. 5-Clutch and brake cover. 6-Gear case. 7-Level plug. 8-Gear case drain plug. 9-Cable drums. 10-Fair lead sheaves.

CLICK ANYWHERE FOR MORE DETAILS

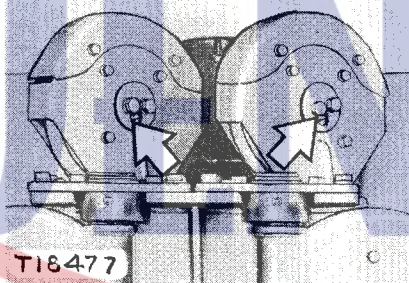
BR Ball and Roller Bearing Lubricant

When the cable control is used to operate a bulldozer or ripper lubricate the sheaves, sheave brackets and brake mechanism, which are not in operation, every 240 hours.



1
FAIR-LEAD SHEAVE SHROUD
UPPER BEARINGS AND FAIR-
LEAD SHEAVES

Lubricate bearings through fittings (1) and (2) every 10 hours.



2
SWIVEL SHEAVES

Lubricate bearings every 10 hours.



3
SWIVEL SHEAVE SUPPORT
BRACKETS

Lubricate both upper and lower bearings through fittings on top every 120 hours.



4
CONTROL LEVER SHAFT LINKAGE
PIVOT BEARINGS

Remove seat cushion and lubricate every 120 hours.

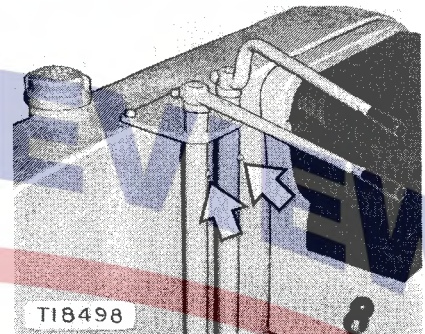
BR Ball and Roller Bearing Lubricant

When the cable control is used to operate a bulldozer or ripper lubricate the sheaves, sheave brackets and brake mechanism, which are not in operation, every 240 hours.

4

CONTROL LEVER SHAFT UPPER BEARINGS

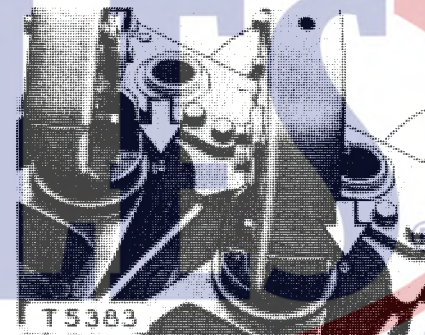
Lubricate every 1800 hours. Remove the pipe plugs and install fittings. After lubrication replace the pipe plugs.



5

SWIVEL SHEAVE PIVOT SHAFTS

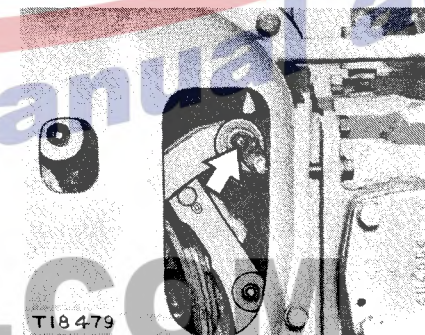
Lubricate bearings every 120 hours.



6

BRAKE LEVER BEARINGS

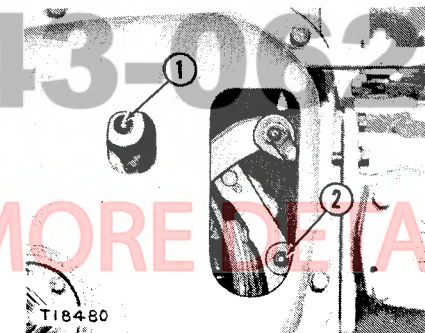
Lubricate bearings on each side of the cable control every 120 hours.



7

CLUTCH LEVER ROLLER AND ANCHOR LINK ROLLER

Lubricate rollers (1) and (2) on each side of the cable control every 120 hours.



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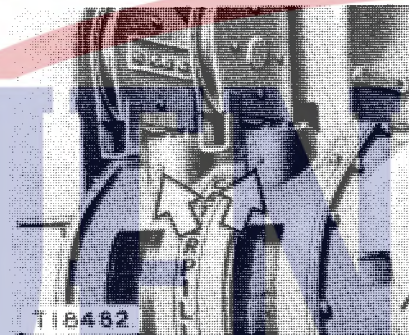
BR Ball And Roller Bearing Lubricant



8

CLUTCH ENGAGEMENT SCREW AND BEARING

Lubricate engagement screw and bearing on each side of the cable control every 20 hours whether operating a bulldozer or ripper.

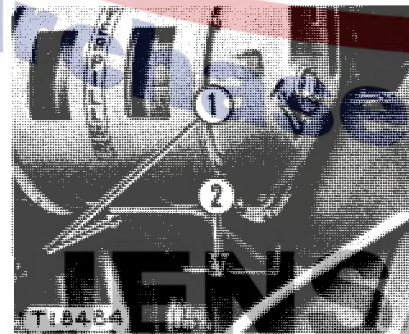


10

FAIR-LEAD SHEAVE SHROUD LOWER BEARINGS

Lubricate every 20 hours.

TO Transmission Oil



9

GEAR CASE LEVEL AND DRAIN

Check oil level every 120 hours at (1). Oil should be up to level plug hole. Every 900 hours, drain at (2), wash and refill. See the topic, "Washing Gear Compartments".



9

GEAR CASE

Every 120 hours remove breather (3) and fill, if needed, to level plug hole.

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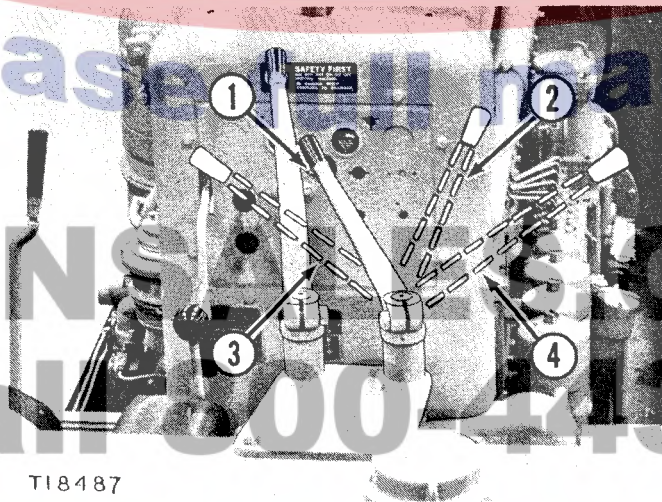
Operation Instructions

GENERAL OPERATING INSTRUCTIONS

The cable control is driven by the tractor engine through the power take-off and drive shaft. When the engine is running all of the cable control gears and the clutch driving discs are turning.

Two control levers for the cable control are mounted within easy reach to the right of the operator. The right (lower) control lever operates the right drum of the cable control and the left (upper) control lever operates the left drum. Both control levers can be placed in the four positions; clutch engaged, neutral, brake released and lockout.

1. The cable is spooled onto the drum when the cable control lever is moved toward the operator to the clutch engaged position (3). In this position the engaging mechanism causes the driven discs to contact the driving discs thereby turning the cable drum.
2. When the control lever is in the neutral position (1) the brake is applied by a brake spring and the clutch is disengaged. This holds the cable drum in the desired position.
3. The cable is unspooled from the drum by the load on the cable when the control lever is moved away from the operator to the brake released position (2).
4. The control lever may be moved to the lockout position (4) where it will be held by a notch in the brake lever. The cable drum can be turned in either direction by hand when the control lever is in the lockout position.



CONTROL LEVER POSITIONS

1-Neutral. 2-Brake released. 3-Clutch engaged. 4-Lockout.

The cable drum is held by the self energizing brake when the control lever is in the neutral position. The brake spring is adjustable to provide