



CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

**Caterpillar**  
**Operator's Manual**  
**D8 Crawler**

S/n 2U21513 to 2U23537

13A1 & up

Operator's Manual

**JENSALES.COM**

**or Call 800-443-0625**



CLICK ANYWHERE FOR MORE DETAILS

THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF  
CATERPILLAR OR IT'S SUCCESSORS. CATERPILLAR AND IT'S SUCCESSORS  
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

TRADE MARKS AND TRADE NAMES CONTAINED AND USED HEREIN ARE THOSE OF OTHERS,  
AND ARE USED HERE IN A DESCRIPTIVE SENSE TO REFER TO THE PRODUCTS OF OTHERS.

**CT-O-D8 2U-13A**



## Table of Contents

CLICK ANYWHERE FOR MORE DETAILS

|                                    | Page |
|------------------------------------|------|
| LUBRICATION INSTRUCTIONS . . . . . | 6-23 |

General Lubricating Information — Crankcase Lubricating Oil — Ball and Roller Bearing Lubricant — Track Roller Lubricant — Transmission Oil — Lubrication Chart

|                                  |       |
|----------------------------------|-------|
| OPERATION INSTRUCTIONS . . . . . | 25-41 |
|----------------------------------|-------|

Preparing The Tractor For Use — Starting The Engines — Driving The Tractor — Steering The Tractor — Operating Over An Obstruction — Operating In Deep Mud Or Water — Stopping The Tractor — Continuous Operation On Stationary Work — Stopping The Diesel Engine — Daily Care — Operating In Cold Weather — Storage

|                                    |       |
|------------------------------------|-------|
| MAINTENANCE INSTRUCTIONS . . . . . | 43-86 |
|------------------------------------|-------|

Air Cleaners — Crankcase Lubricating Oil System — Fuels — Care Of The Fuel Supply — Care Of The Diesel Fuel Tank — Fuel System — Care Of The Fuel Filter — Priming The Fuel System — Fuel Injection Equipment — Starting Engine Fuel System — Cooling System — Radiator Sealed Pressure Overflow Unit — Fan Belt Adjustment — Valve Clearance Adjustment — Starting Engine Valve Clearance Adjustment — Spark Plug Adjustment — Starting Engine Magneto — Starting Engine Clutch — Flywheel Clutch — Steering Clutches And Brakes — Track Adjustment — Final Drive Sprocket Hub Bearings — Drawbar — Washing Gear Compartments — Transmission Lubricating Oil System

|                                   |       |
|-----------------------------------|-------|
| ATTACHMENT INSTRUCTIONS . . . . . | 87-93 |
|-----------------------------------|-------|

Rear Mounted Equipment — Generator And Starting Engine Electric Starter — Battery Care — Voltage Regulator — Lighting Systems — Wiring Diagrams

|                 |       |
|-----------------|-------|
| INDEX . . . . . | 94-95 |
|-----------------|-------|

CLICK ANYWHERE FOR MORE DETAILS



CLICK ANYWHERE FOR MORE DETAILS

MANUAL PREVIEW

JENSALES®

purchase full manual at



T8911

D8 TRACTOR — RIGHT FRONT VIEW

1—Handle. 2—Arm rest. 3—Seat. 4—Governor control lever. 5—Crankcase lubricating oil filter. 6—Governor. 7—Fuel injection pump housing. 8—Starting engine top starting crank. 9—Pre-cleaner. 10—Radiator filler cap. 11—Sprocket. 12—Track carrier roller. 13—Track roller. 14—Front idler. 15—Track roller frame. 16—Fuel filter housing. 17—Heavy-duty radiator guard.

JENSALES.COM  
or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS



## Lubrication Instructions

### GENERAL LUBRICATING INFORMATION

Careful attention to the following information on lubricants and their proper selection will add much to performance, economy and long life of your tractor. The lubrication chart specifies the lubricants to be used, the points to be serviced and the hourly intervals of servicing according to "Hour Meter" hours.

All time intervals in the lubrication chart and maintenance instructions are for "Hour Meter" hours, therefore, daily readings will tell when to service the tractor. The "Hour Meter" is located on the right side of the engine at the rear of the fuel injection pump housing. It does not keep pace with the clock but when the crankshaft turns as many revolutions as are made in an hour at normal operating speed, the dial advances one number.



### COVER ON HOUR METER RAISED TO OBSERVE DIAL READING

Drain oil, check oil levels and refill compartments with the tractor level. It is best to drain oil when it is warm, after the tractor has run for some time. Then, most of the sediment will be in suspension, and therefore, will readily drain.

Use the brush supplied in the tool equipment to remove dirt from fittings and to clean around air cleaners, breathers, and inspection covers before removing. Lubricate all miscellaneous points, not equipped with fittings, with crankcase lubricating oil every 60 hours.

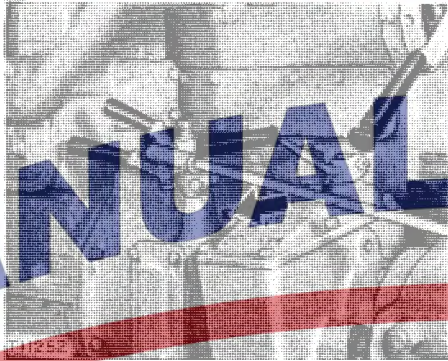
Naturally, any precautions taken during cold weather to house the tractor, cover it with a tarpaulin, or warm it before starting, will cause more rapid oil distribution and contribute to quicker starting. The engine should always be allowed to idle at approximately half engine speed for several minutes after starting to assure adequate lubrication before operating at normal load.



## CO Crankcase Lubricating Oil

CLICK ANYWHERE FOR MORE DETAILS

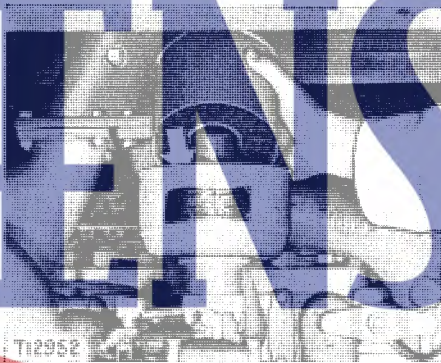
6



### STARTING ENGINE CLUTCH SHIFT COLLAR

Fill oil cup every 20 hours.

8



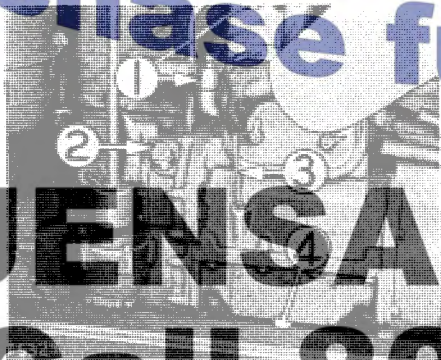
### STARTING ENGINE AIR CLEANER

Inspect the oil in the air cleaner cup every 60 hours. Wash and refill cup to oil level bead when oil will not flow freely or if the sediment in the cup is  $\frac{1}{4}$  inch deep. See the topic, "Air Cleaners."

Refill the cup with the same S.A.E. grade of oil as is used in the Diesel engine crankcase and the same type of oil may also be used. However, it is permissible to use clean, undiluted reclaimed oil or the most inexpensive straight mineral oil.

See the topic, "Crankcase Lubricating Oil".

9



### STARTING ENGINE CRANKCASE

Every 10 hours check oil level (3). Every 120 to 240 hours, depending on dust, drain crankcase at (4), wash and refill at (2) to full mark on gauge. At every oil change wash and oil the breather (1). See the topic, "Wash the Starting Engine Crankcase."

10



### TOP STARTING CRANK GEAR HOUSING

Check lubricant level at plug opening (2) every 120 hours. Keep level to plug opening by adding lubricant through filler opening (1).

CLICK ANYWHERE FOR MORE DETAILS