



Caterpillar

Operator's Manual

D8K Crawler
S/N 66V1, 77V1 & Up

JENSALES.COM
or Call 800-443-0625

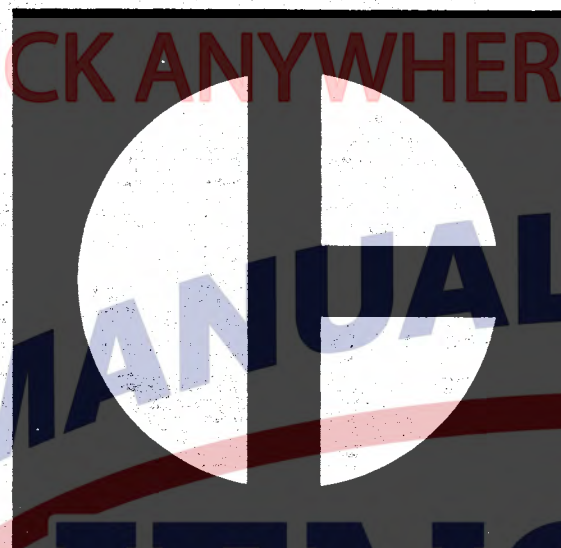


THIS IS A MANUAL PRODUCED BY JENSALES INC. WITHOUT THE AUTHORIZATION OF
CATERPILLAR OR IT'S SUCCESSORS. CATERPILLAR AND IT'S SUCCESSORS
ARE NOT RESPONSIBLE FOR THE QUALITY OR ACCURACY OF THIS MANUAL.

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-D8K 66V1+

Operator's Manual



**LUBRICATION &
MAINTENANCE
GUIDE**

D8K TRACTOR

POWER SHIFT

or Call 800-443-0625

**SERIAL NUMBERS | 77VI-UP
66VI-UP**

CLICK ANYWHERE FOR MORE DETAILS

TABLE OF CONTENTS

Safety 3

Walk-Around Checks 4

Fuels and Lubricant Specifications 5

Lubrication and Maintenance Chart 6

 Every 10 Service Hours or Daily 9

 Every 50 Service Hours or Weekly 9

 Every 100 Service Hours or 2 Weeks 10

 Every 250 Service Hours or Monthly 11

 Every 500 Service Hours or 3 Months 15

 Every 1000 Service Hours or 6 Months 16

 Every 2000 Service Hours or 1 Year 19

 When Required 24

Refill Capacities 38

Wiring Diagram 38

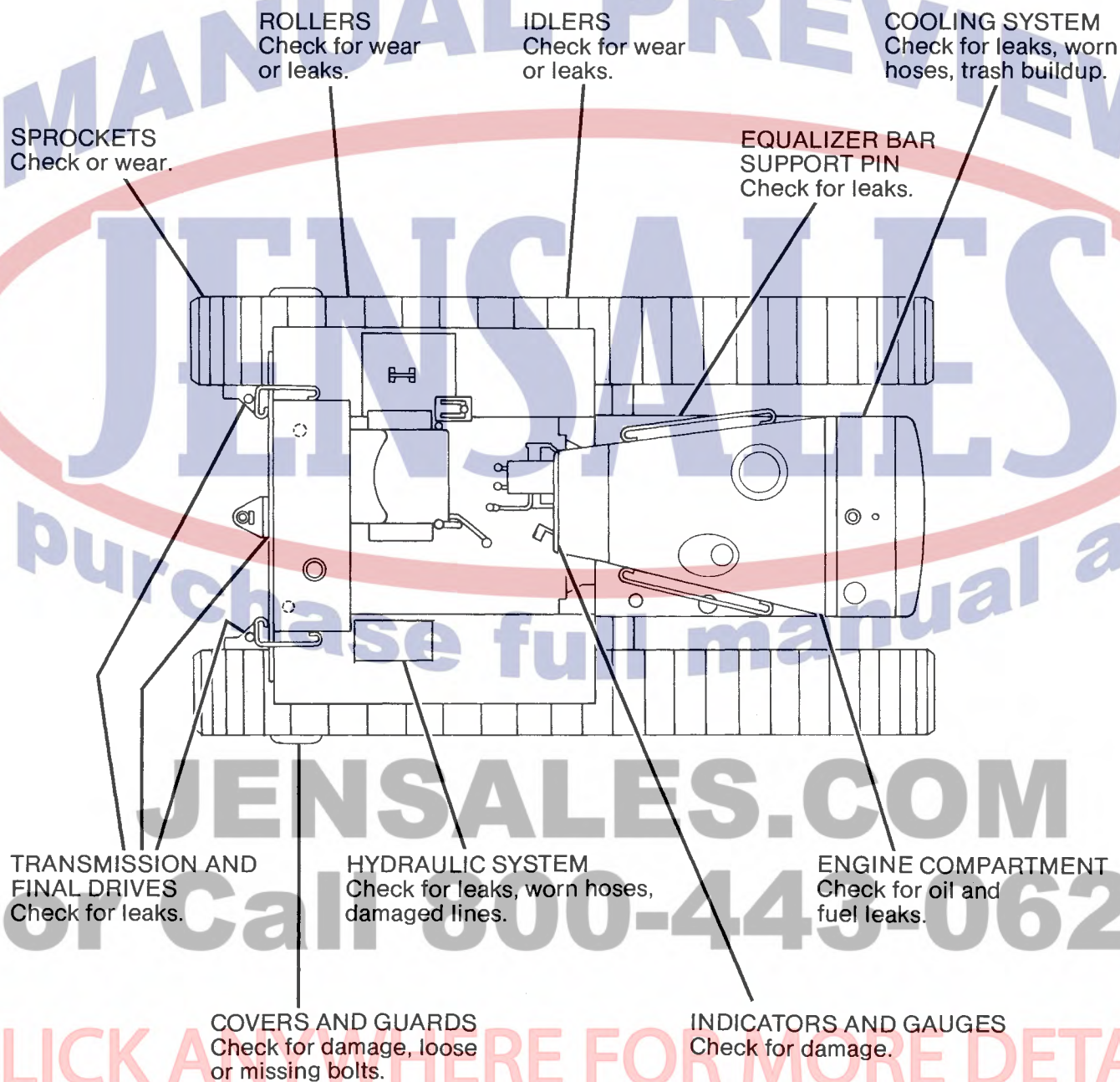
Serial Number Locations 39

JENSALES.COM
or Call 800-443-0625

CLICK ANYWHERE FOR MORE DETAILS

WALK-AROUND CHECKS

For maintenance and operator personnel safety, and maximum service life of the machine, make a thorough walk-around inspection when doing lubrication and maintenance work. Check under and around for such items as loose bolts, trash build-up, oil or coolant leaks.



LUBRICATION AND MAINTENANCE CHART

ITEM

SERVICE

LUBRICANT

MAINTENANCE

PAGE NO.

EVERY 1000 SERVICE HOURS OR 6 MONTHS (Continued)

26	Cable control fairlead sheave lower bearings	Lubricate 2 fittings	MPGM	18
27	Cable control	Wash breather	●	18
28	Winch breather	Change plastic breather	●	18

EVERY 2000 SERVICE HOURS OR 1 YEAR

29	Hydraulic control system	Change oil — wash filler screen	HYDO	19
30	Cable control gear case	Change oil	CD	19
31	Engine valve lash	Check — adjust if necessary	●	20
32	Cooling system	Renew coolant antifreeze solution	●	23

WHEN REQUIRED

33	Transmission, bevel gear, and steering clutch compartment	Check oil level if leakage develops or is suspected	CD	24
34	Torque divider suction screen	Clean when oil becomes thick or at time of repairs on brakes, transmission or torque divider	●	24
35	Cable control	Check oil level if leakage develops or is suspected, adjust brake and clutch if necessary and check condition of cable	CD	25
36	Winch	Check oil level if leakage develops or is suspected and check condition of cable	●	27
37	Final drives	Check lubricant level if leakage develops or is suspected	EO	28
38	Track	Make adjustment if track sag is not 1½" to 2"	●	28
39	Prescreen	Check — clean if necessary	●	29
40	Engine air inlet system	Clean when RED band in indicator locks in visible position	●	30
41	Cooling system	Drain and clean when engine overheats or solution is dirty	●	33
42	Fuel system	Change filter when fuel gauge registers OUT with engine running	●	34
43	Fuel tank	Drain moisture and sediment, wash cap whenever engine misfires or frequent fuel filter replacement is required	●	35
44	Hydraulic cylinders	Make rod packing adjustment if leakage develops or is suspected	●	35
45	Ripper tips	Change ripper tips if damaged or worn	●	36

EVERY 10 SERVICE HOURS OR DAILY

① ENGINE CRANKCASE



1. Check oil level. Machine must be level and brake lock applied. Check can be made . . .

2. . . before starting. Level must be in SAFE STARTING RANGE on ENGINE STOPPED side of dipstick, or . . .

3. . . with engine warm and running. Maintain level between ADD and FULL marks on ENGINE RUNNING side of dipstick.

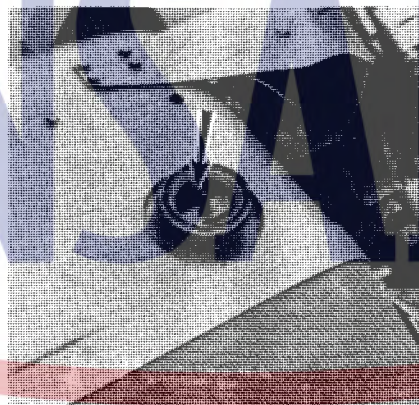


4. Add oil as necessary, through crankcase fill pipe.

② RADIATOR



1. Check coolant level with engine stopped. Remove cap slowly to relieve pressure.



2. Maintain level to within $\frac{1}{2}$ inch (1 cm) of bottom of fill pipe.

3. Use clean water that is low[®] in scale forming minerals, not softened water.

EVERY 50 SERVICE HOURS OR WEEKLY

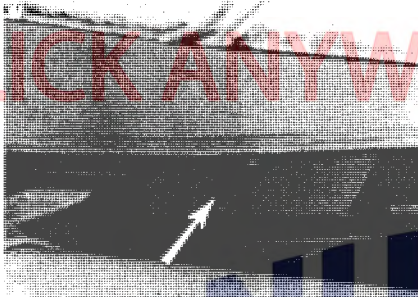
③ RIPPER LINKAGE



Lubricate 12 fittings.

EVERY 250 SERVICE HOURS OR MONTHLY

① ENGINE CRANKCASE



1. Run engine long enough to warm oil. Park on level ground. Stop engine. Open drain valve and drain oil.



2. Remove old filter.

3. Clean filter base. Make sure all of old gasket is removed.



4. Apply thin film of clean oil to gasket of new filter.

5. Install filter, tighten until gasket contacts base. Tighten filter an additional $\frac{3}{4}$ turn. Do not overtighten.

6. Close drain valve.



8. Inspect seal, install new seal if necessary. Install breather. Tighten bolt.

9. Fill crankcase. See Refill Capacities.

10. Start engine and run at low idle to fill filter housing. Check oil level. Add oil if necessary.

11. Check for leaks.

7. Remove breather. Wash breather in clean solvent.

② TRANSMISSION, BEVEL GEAR AND STEERING CLUTCH COMPARTMENT



1. Remove filter plug and allow oil to drain.



2. Remove cover and old elements.



3. Clean cover and inspect seals. Install new seals if necessary.