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MANUAL PREVIEW

**J.I. Case**

**Operator's Manual**

**580K**

**Loader Backhoe**

Operator's Manual

**JENSALES.COM**

**or Call 800-443-0625**

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**CA-O-580K**

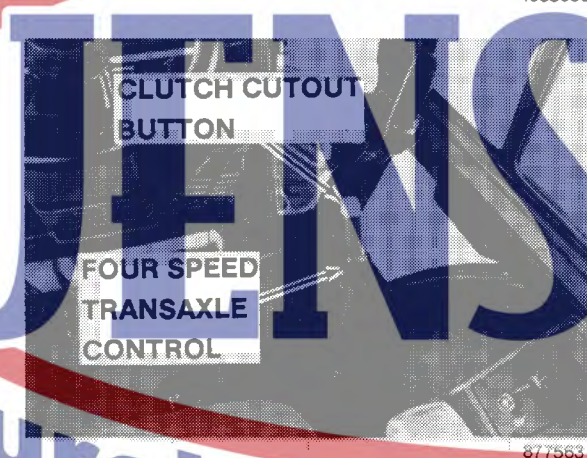
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## OPERATING INSTRUCTIONS

### Selecting Transaxle Gears and Machine Direction



### Four Speed Transaxle

The four speed transaxle is synchronized in 3rd and 4th gears. You can shift gears from 1st or 2nd or 3rd to 4th and back again to 3rd without stopping the machine. Before you shift gears, push the clutch cutout button. When you shift gears, always make sure the engine speed remains in the green area of the tachometer.

When shifting the transaxle to 1st or 2nd gear, stop the machine and push down the clutch cutout button, before you shift.

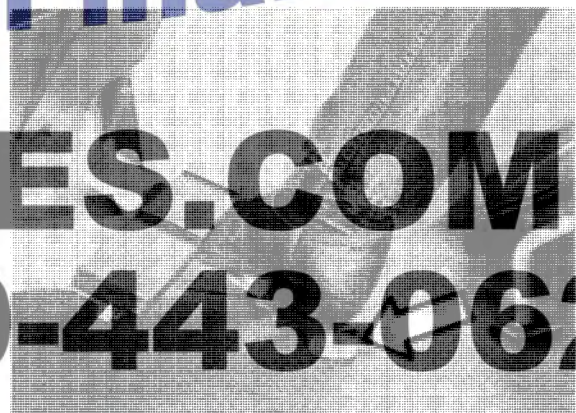
### Machine Direction

For forward travel, lift up the transmission direction control and push completely forward. To travel in reverse, lift up the transmission direction control and pull completely rearward. The center position is NEUTRAL. The transmission direction control must be in the NEUTRAL position before you can start the engine.

**NOTE:** For smooth operation before you change directions, reduce the engine speed.

### Differential Lock

The differential lock gives equal power to both rear wheels. Refer to the two following conditions before you actuate the differential lock.



## ENGINE LUBRICATION

### Engine Oil Selection

Caselh No. 1 Engine Oil is recommended for use in your Caselh Engine. Caselh Engine Oil will lubricate your engine correctly under all operating conditions. If Caselh No. 1 Multi-Viscosity Engine Oil is not available, Caselh No. 1 Single Grade Engine Oil can be used.

If Caselh No. 1 Multi-Viscosity or Single Grade Engine Oil is not available, use only oil meeting API engine oil service category CE.



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See the chart below for recommended viscosity at ambient air temperature ranges.

**NOTE:** Do not put Performance Additives or other oil additive products in the engine crankcase. The oil intervals given in this manual are according to tests with Caselh lubricants.

### Engine Lubrication Oil Viscosity

#### AMBIENT AIR TEMPERATURE RANGES



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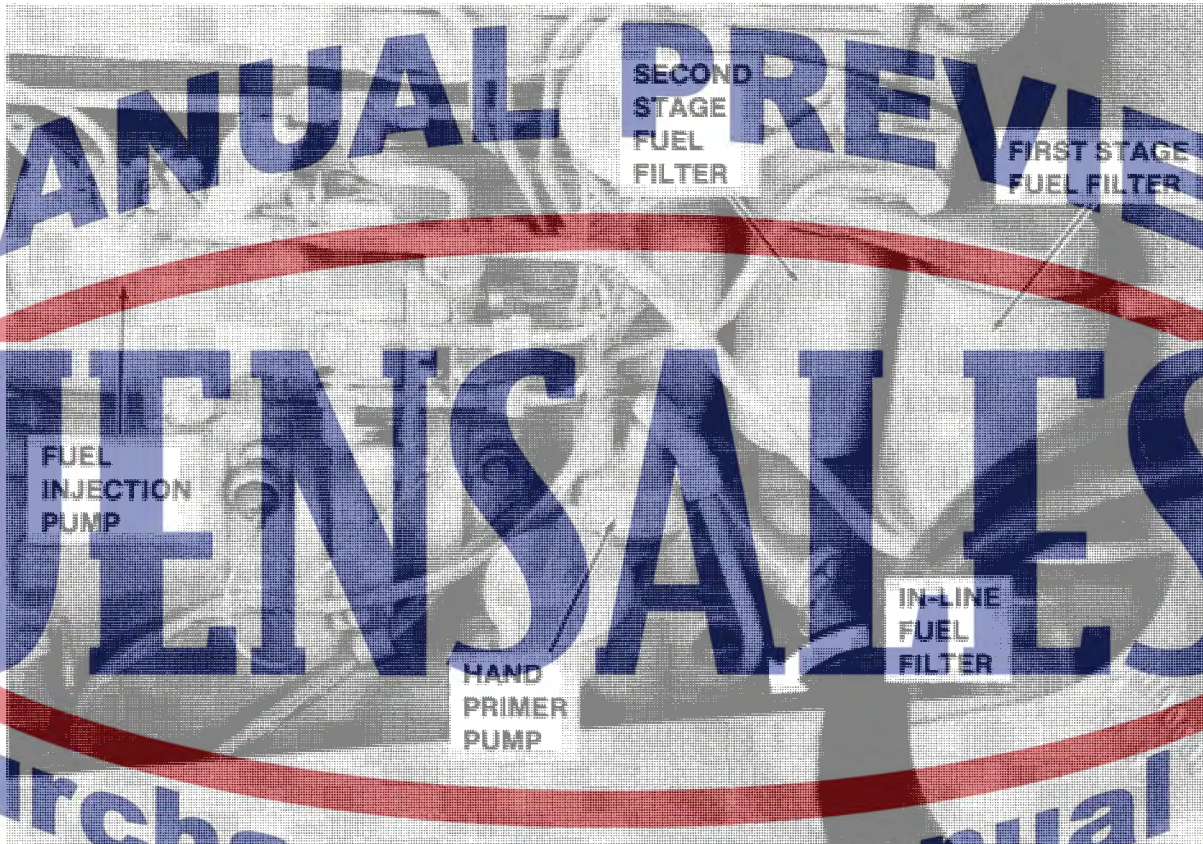
## MAINTENANCE AND LUBRICATION

### DIESEL FUEL SYSTEM



**WARNING:** Engine fuel is flammable and can cause a fire or an explosion. Do not fill the fuel tank or service the fuel system near an open flame, welding, burning cigars and cigarettes, etc.

84-100



#### Fuel Tank Filler

Fill the tank at the end of each day. A full tank will prevent water condensation. The use of Case Diesel Fuel Conditioner will also help this problem.



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## MAINTENANCE AND LUBRICATION

1. Remove the loose dirt with compressed air, 30 psi (207 kPa, 2 bar) maximum. Hold the nozzle at least one inch (25 mm) from the element.

4. Use a water hose without a nozzle with pressure less than 40 psi (275 kPa, 2.7 bar) to flush all soap from the element.



(Typical Filter Shown)

860814

2. Mix two tablespoons of D1400 detergent (Case part number A40910) with two gallons (7.6 litres) of water, one cup for 16 gallons (60 litres) of water.



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5. Allow the element to air dry. If you use a drier, do not exceed 160°F (71°C) and make sure the air is circulating in the drier.

6. Use a light and inspect the element for holes or splits in the pleats. Check for damage to the metal parts and rubber gasket.

3. Soak the element in the soap solution for 15 to 20 minutes and then shake the element up and down rapidly to loosen as much dirt as possible.



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**NOTE:** If the element is not to be used for some time, wrap the element with paper for storage.



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