

**Model I-14**  
**Tractor**  
Instruction Book

INT-5189A

Reprinted

**CASE III**






*THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH.*

M171B

If Safety Decals on this machine use the words **Danger, Warning or Caution**, which are defined as follows:

- **DANGER:** Indicates an immediate hazardous situation which if not avoided, will result in death or serious injury. The color associated with Danger is RED.
- **WARNING:** Indicates a potentially hazardous situation which if not avoided, will result in serious injury. The color associated with Warning is ORANGE.
- **CAUTION:** Indicates a potentially hazardous situation which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

If Safety Decals on this machine are ISO two panel Pictorial, decals are defined as follows:

- The first panel indicates the nature of the hazard.
- The second panel indicates the appropriate avoidance of the hazard.
- Background color is YELLOW.
- Prohibition symbols such as   and  if used, are RED.



# WARNING

IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH. BEFORE USING THIS MACHINE, MAKE CERTAIN THAT EVERY OPERATOR:

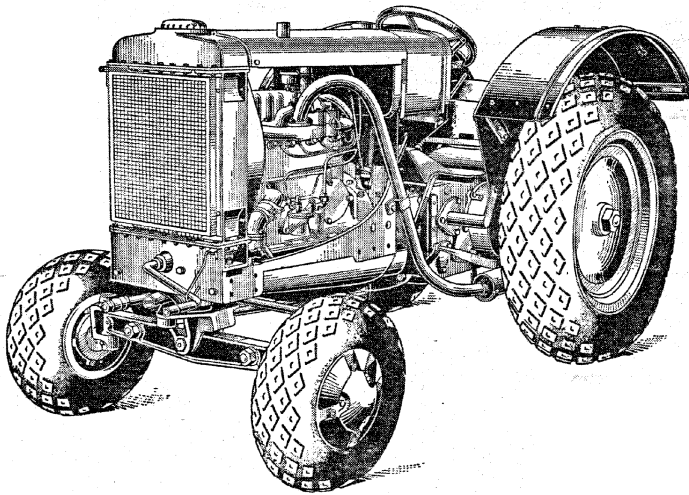
- Is instructed in safe and proper use of the machine.
- Reads and understands the Manual(s) pertaining to the machine.
- Reads and understands ALL Safety Decals on the machine.
- Clears the area of other persons.
- Learns and practices safe use of machine controls in a safe, clear area before operating this machine on a job site.

It is your responsibility to observe pertinent laws and regulations and follow Case Corporation instructions on machine operation and maintenance.

# Instruction Book

---

## Model I-14 Tractor



---

**Important**

**TO OWNERS—**

This book has been prepared and is furnished for the purpose of giving the user as much information as possible pertaining to the care and operation of this machine. The owner is urged to read and study this instruction book and if ordinary care is exercised, he will be assured of satisfactory service.

---

**INTERNATIONAL HARVESTER COMPANY**  
(INCORPORATED)

180 NORTH MICHIGAN AVE. CHICAGO, ILLINOIS, U.S.A.

---

*Examine the tractor carefully and see that all oil holes are cleaned of paint and dirt— if any threaded oil holes are found without fitting or pipe connections, look at the Lubrication Chart. If connection is shown, and not in place, it was lost and should be replaced before starting.*

---

#### **Special Precautions with a New Tractor**

1. Before starting a new engine, remove the spark plugs and put about one ounce of gas engine lubricating oil into each cylinder; replace the spark plugs and crank the engine to distribute the oil over the cylinder walls.
2. During the first one hundred hours of operation, mix one pint of engine oil with every five gallons of fuel.
3. Engine is filled with oil suitable for "running in" a new engine. *Before operating under load, the crankcase should be drained completely and filled with oil as specified in the "Lubrication Chart."*
4. Tractors shipped Domestic and Canada are properly filled with oil in all parts when shipped from the factory. *All oil is drained from tractors shipped Export.* However, Tractor should be checked over for proper quantities of oil before starting.
5. Complete instructions for oiling are shown on "Lubrication Chart."
6. *Do not operate a new Tractor immediately on full load.* The Tractor should never be loaded to full capacity until it has been run light for a reasonable length of time. *Do not overload the tractor at any time.*
7. *Read Instruction Book carefully.*

---

*Caution: Based on the fire hazard and insurance regulations, we do not recommend the use of gasoline for the cleaning of parts, at least not when service is performed inside of buildings. A less inflammable fluid than gasoline should be used, such as Stoddard solvent or kerosene.*

---

#### **Ordering Repairs**

When ordering repairs, be sure to give Serial Number and Model of Tractor and name and number of Part Ordered.

---

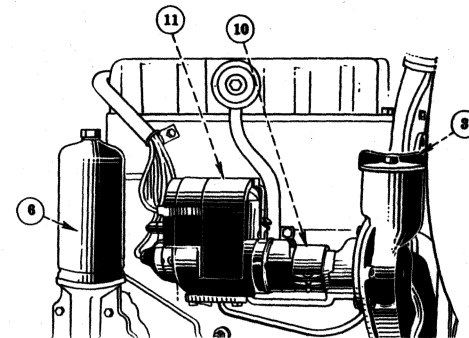
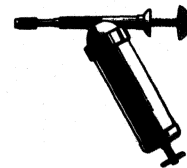
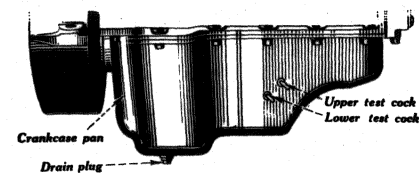
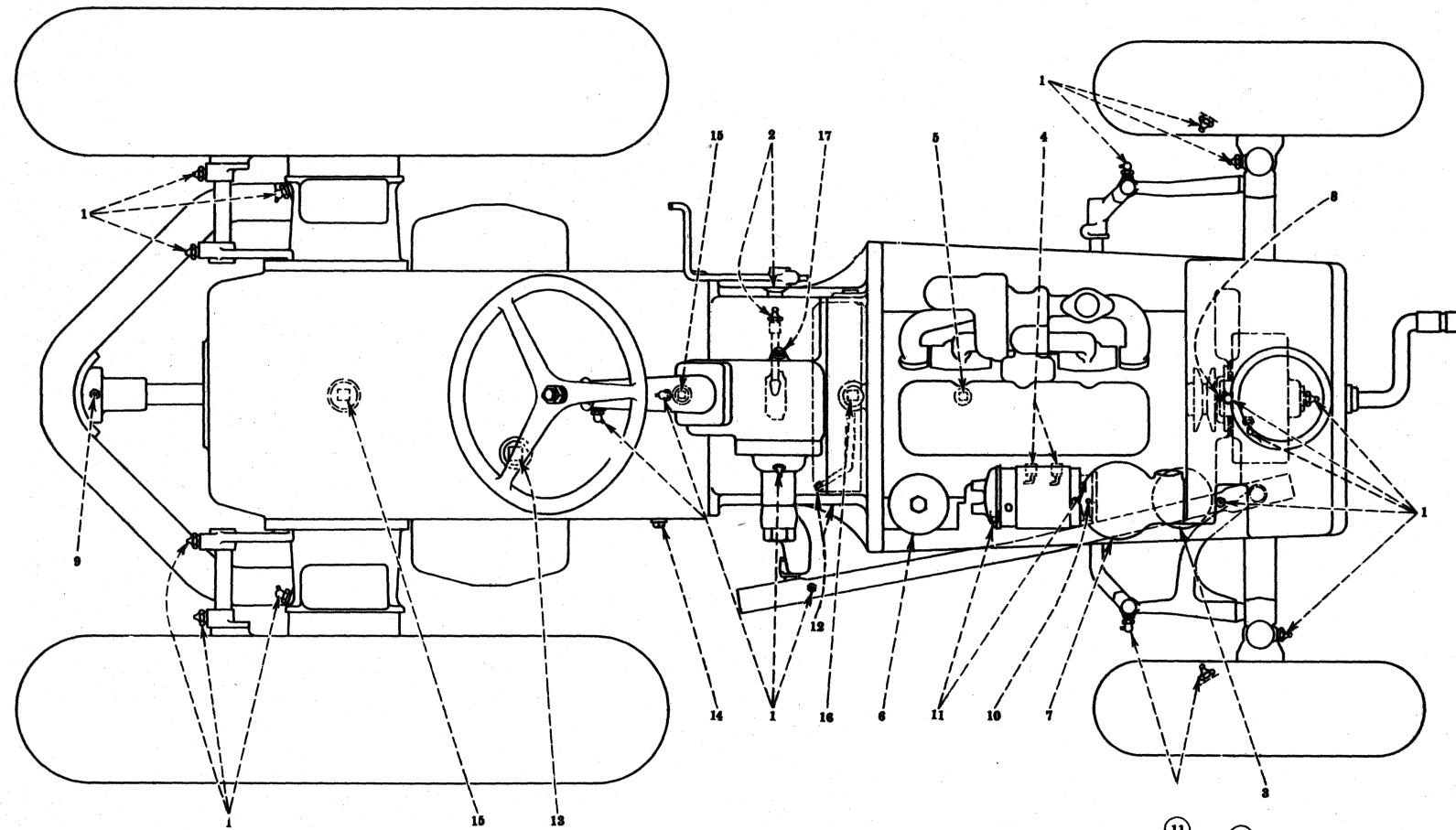
This book contains, in addition to instructions for operating, instructions and illustrations pertaining to certain simple adjustments and replacements which can readily be made. However, the owner should consult the service dealer before attempting a general overhauling or when any mechanical difficulties occur, as he has the necessary equipment for doing the work.

---

*Specifications will be found on inside back cover.  
Index will be found on page 1.*

# LUBRICATION CHART

## I-14 Tractor



KEY TO LUBRICATION CHART

(Paragraphs are numbered to correspond with numbers on the illustrations).

DAILY LUBRICATION

Daily. Use approved lubricant.

- |   |   |
|---|---|
| <p>1. Front wheel bearing.<br/>Front axle pivot.<br/>Steering knuckles.</p> | <p>Drag link.<br/>Steering shaft bearing.<br/>Rear axle bearing.<br/>Brake adjusting bearing.</p> |
|---|---|

2. Clutch release bearing . . . . . Every 60 hours of operation; Use approved lubricant. Several complete strokes of the lubricator. (See hole on left side of clutch housing and apply lubricator to fitting).

3. Crankcase. . . . . GASOLINE OPERATION ONLY.  
(oil filler and level) Drain crankcase oil down to level of lower drain cock after every 30 hour run; add new oil to level of upper test cock.

Drain all oil from crankcase pan after every 120 hour run and refill with new oil. Replace oil filter element at the same time.

NOTE: Engine lubricating oil shall be of well refined oils, free from water, sediment, acid, resin or any other substance not derived from petroleum. Oil shall not corrode any metal used in engine construction.

Season	Prevailing Temperature Range	Viscosity Number
Summer	Above 80° F.	SAE-30 or 40
Spring and Fall	80° F. to 40° F.	SAE-30
Winter - Mild	40° F. to 0° F.	SAE-30 or 20
Winter - Severe	10° F. to sub-zero.	SAE-10-W or 20-W

Winter oil SAE-30 must have a cold test of not more than 10° F.

CAUTION: SAE-10-W can be used where sub-zero temperatures prevail over long periods.

These light oils must not be used if temperature rises above 0° F., or if the engine is to be operated under a sustained heavy load, even in colder weather.

Diluting oil with kerosene is not recommended.

Do not run engine for any length of time with oil level below test cock.

Never test oil level while engine is running.

4. Crankcase pan (oil level). . . . . Approximate capacity 5-1/2 U.S. quarts (top cock).

5. Crankcase pan oil drain plug . . . . . Drain completely after every 120 hour run. (See No. 3).

6. Oil filter (Purolator) . . . . . Remove and replace oil filter element with new element after every 120 hours of operation. (See Instruction Book).

7. Air cleaner. . . . . Clean and refill cup to oil level daily with SAE-20 or lighter oil. Cleaning may be extended to 30 hours when operating in light dust. (See Instruction Book)

WEEKLY LUBRICATION

8. Fan hub (filler plug). . . . . Once a week. Remove plug and fill half full with engine oil.

9. Draw bar pintle hook . . . . . Once a week. Use approved lubricant.

10. Impulse coupling . . . . . Once a week, oil liberally with a light oil such as sewing machine or cream separator oil. (See Instruction Book for complete information). Use kerosene during cold weather.

PERIODICAL LUBRICATION

11. Magneto. . . . . Every 500 to 1000 hours of service. A few drops of light oil such as sewing machine or cream separator oil.

12. Clutch pilot bearing . . . . . Once a month. Use approved lubricant. Turn engine over until lubricator fitting on flywheel is directly in line with hole in right side of clutch housing, then insert lubricator and give 2 or 3 strokes of the lubricator. (Do not over-lubricate).

13. Transmission (oil filler plug) . . . . . Use approved lubricant. Capacity 4 U.S. gallons. Keep lubricant in transmission up to level of plug (14) located on right side of transmission case, which indicates the proper oil level. Check periodically.

14. Transmission (oil level plug). . . . . Keep proper oil level in transmission.

15. Transmission oil drain plug . . . . . Drain lubricant and refill once a season, or when necessary.

16. Clutch compartment oil drain plug. Drain once a season or when necessary.

17. Steering worm wheel bearing (oil filler plug). . . . . Use approved lubricant. Keep lubricant up to level of plug on left side of steering worm housing.

... Occasionally put a few drops of oil on the clutch and brake lever connections and on the starting crank bearing.

(Refer to Instruction Book for additional information). (See instructions for "Cold Weather Lubrication", pages 11 and 12).

Keep the supply of lubricating oil clean and free from dust. Use clean containers. Keep lubricator clean, and wipe dirt from fittings before using lubricator.

Approved lubricant used for Transmission, etc., Lincoln System should be a good grade of oil.

SAE-160 should be used when minimum temperature is above 40° F. SAE-90 should be used when minimum temperature is below 40° F.

The preferred lubricant should be made from mineral oil and should be free from solid material, which are undesirable for ball or roller bearing lubrication.

## INDEX

Description	Page No.
Anti-freezing solutions . . . . .	12
Carburetor . . . . .	10
Cold weather operation . . . . .	11,12
Cooling system . . . . .	4
Drawbar . . . . .	9
Engine speed control lever and accelerator pedal . . . . .	9
Governor . . . . .	9
Gear shifting . . . . .	9
Lincoln type lubricating system . . . . .	14
Lubrication . . . . .	2,4,13,14
Manifold heat control . . . . .	7
Operating precautions . . . . .	3
Preparing tractor for starting . . . . .	4 to 7
Radiator shutter . . . . .	5
Starting engine . . . . .	8
Stopping engine . . . . .	9
Starting tractor . . . . .	8
Stopping tractor . . . . .	9
Tractor specifications . . . . .	Inside back cover.
<b>TRACTOR MAINTENANCE (See page 15).</b>	
Air cleaner . . . . .	18,19
Corrective measures . . . . .	27
Engine ignition . . . . .	20
Fuel pump . . . . .	17
Fuel strainer . . . . .	17
Fuel tank . . . . .	17
Magneto . . . . .	21 to 26
Oil filter (paper element) . . . . .	16
Spark plugs and cables . . . . .	20
Storing tractor . . . . .	28,29

**TO OWNERS:**

This Tractor is designed and built to give good performance and maximum service. Quality materials and good workmanship are employed throughout the entire unit.

The suggestions and requirements for operating outlined in this book are essential to maintain satisfactory performance and economical service. The care and daily attention given the Tractor will largely determine its maintenance cost and success of operation.

Tractor Owners should use the extensive facilities offered by McCormick-Deering and International dealers when service is needed that requires the knowledge of an experienced service man. This is advisable as Dealers are kept informed on the best methods of servicing Tractors and are in a position to give satisfactory service.

## LUBRICATION

S. A. E. Numbers or weights of oil and lubricants recommended.

	Engine Crankcase	Magneto & Coupling	Lubricator Fittings	Air Cleaner
Summer	SAE-30 or SAE-40	Very Light, or Sewing Machine Oil	Approved Lubricant SAE-160	SAE-20 or Lighter
Winter	SAE-10-W or SAE-20-W	Very Light, or Sewing Machine Oil*	Approved Lubricant SAE-90	SAE-20 or Lighter

\* Use kerosene in magneto coupling during cold weather.

**Caution!** Be sure to use a mineral oil for lubricating the Engine. Do not use top cylinder or valve oils.

**Note:** Engine lubricating oil shall be of well refined oils, free from water, sediment, acid, resin or any other substance not derived from petroleum. Oil shall not corrode any metal used in engine construction.

*Never check oil level while engine is running.*

Proper lubrication is very important and instructions should be followed closely. (See "Lubrication Chart").

(See Special Instructions for Cold Weather Operation on pages 11 and 12).

## TRANSMISSION, STEERING WORM, FRONT AND REAR WHEELS, ETC.

	Transmission Case	Steering Worm, Front and Rear Wheels, Etc.
Summer	Approved Lubricant SAE-160	Approved Lubricant SAE-160
Winter	Approved Lubricant SAE-90	Approved Lubricant SAE-90

See Instructions on page 14 for filling Lubricator.

The lubricant used for Transmissions, etc., Lincoln systems should be a good grade of oil and conform to the following:-

SAE-160 should be used when minimum temperature is above 40°F.

SAE-90 should be used when minimum temperature is below 40°F.

The preferred lubricant should be made from mineral oil and should be free from solid materials, which are undesirable for ball or roller bearing lubrication.



---

**OPERATING PRECAUTIONS**

Read Instruction Book carefully.

Follow "Lubrication Chart."

Before cranking tractor engine, be sure:-

1. Gear shift lever is in neutral position.
2. Radiator is filled with water.
3. Engine has sufficient oil in crankcase pan.

When cranking the engine, retard spark control. Operator should take his position so as to avoid being struck by starting crank if there is a reversal of the direction of the engine from any cause whatsoever.

When starting the Tractor always engage clutch gradually, so engine will pick up the load slowly. This is particularly necessary when going up a steep hill, climbing out of ditches or when hitched to a heavy or difficult load. Never hitch to a stump or other object by means of a long chain or rope with slack so that when tractor moves forward it will jerk into the load.

Never operate engine at more than the regular governed speed. Excessive speeds are dangerous.

Warning:-

- Do not hitch to the tractor at any point except to the draw bar.
- Do not attempt to pull when draw bar is removed.
- Always use draw bar and braces.

Drawbar and braces must be kept tight.

Never fill gasoline tank when near an open flame or engine is running. Keep funnel in contact with metal of fuel tank when pouring in fuel, to avoid possibility of an electric spark igniting the gas. Be very careful about lighting matches near gasoline, as the air within the radius of several feet is permeated with a highly explosive vapor.

Care should be exercised when Tractor is in motion to prevent accidents and personal injuries.

Do not use the clutch or brake pedals as foot rests; this causes undue wear on these parts.

Never pour cold water into radiator if engine is very hot.

Do not overload the Tractor at any time.

Keep correct air pressure in pneumatic tires. (See Instruction Pamphlet).

Clean breather in right hand side of valve housing every week as instructed.

NOTE: Be sure to read instructions on "SPECIAL PRECAUTIONS WITH A NEW TRACTOR" given on inside of front cover.

---

**Buy Now**



Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)