

# 8880 Windrower Tractor

## Operators Manual

Rac 6-4441

Reprinted





*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

## IMPORTANT

If This Machine Is Used By An Employee Or Is  
Loaned Or Rented, Make Certain That The  
Operator(s), Prior To Operating:

1. Is Instructed In Safe And Proper Use.
2. Reviews And Understands The  
Manual(s) Pertaining To The Machine.

# NOTICE

A separate electrical  
schematic is available.

The schematic is printed on a  
large sheet of special plastic  
material. Order part number  
RAC 6-5972 from your dealer.



## 8880 Windrower Tractor



855WT-98J-52

### TO OUR CUSTOMER

We appreciate your confidence in CASE IH Farm Equipment and thank you for your patronage. In preparing this manual, we hope we have furnished you with a valuable tool for operating and maintaining this fine machine. Use this manual as your guide. Practicing the instructions given here will result in many years of dependable service from your machine.

Your Dealer can give you assistance with CASE IH parts and specially trained personnel to assist you in repair and maintenance.

Call your Dealer if you need any assistance or information.

#### **CALIFORNIA Proposition 65 Warning**

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

## TABLE OF CONTENTS

SPECIFICATIONS .....	IV
SERIAL NUMBERS .....	VI
CHECKLISTS .....	VII
SAFETY PRECAUTIONS .....	IX
GENERAL INFORMATION .....	1
DESCRIPTION .....	5
SERVICING .....	17
PREPARATION .....	42
OPERATION .....	45
MAINTENANCE .....	71
TROUBLESHOOTING .....	121
STORAGE .....	123
EXTRA EQUIPMENT .....	125
ALPHABETICAL INDEX .....	127

## SPECIFICATIONS

# SPECIFICATIONS

*(Specifications and design are subject to change without notice and without liability therefore.)*

**MODEL** ..... 8880 Windrower Tractor

### DIMENSIONS AND WEIGHTS

Length, overall with header ..... 6500 mm (255.9 IN )  
wheel base ..... 3556 mm (140 IN)

#### Height

top of cab ..... 3388 mm (133.4 IN)  
clearance under walking beam ..... 1034 mm (40.7 IN)  
clearance under frame ..... 1042 mm (41.0 IN)

#### Width

outside of hubs ..... 3034 mm (119.5 IN)  
outside of tires ..... 3868 mm (152.3 IN)

Tread width, drive tires ..... 3274 mm (128.9 IN)

#### Tread width, tailwheels

minimum ..... 2144 mm (84.4 IN)  
maximum ..... 3048 mm (120 IN)

#### Weight (approximate)

without header ..... 4110 kg (9060 LB)  
with rotary header ..... 6051 kg (13340 L)

### TIRES

Drive wheels ..... 23.1 x 26 turf tread  
wheel nuts ..... 5/8-18  
torque ..... 271 N·m (200 LB·FT)

Tailwheels ..... 14L-16.1, 6-ply implement rib  
wheel bolts and nuts ..... 9/16-18  
torque ..... 165 N·m (120 LB·FT)

#### Tire pressure

Drive wheels ..... 103 kPa (15 psi)  
Tailwheels ..... 70 kPa (10 psi)

### ENGINE

Model ..... Cummins Turbocharged Diesel 6B T5.9

Horsepower ..... 152 @ 2500 r/min (rpm)

High idle ..... 2700 r/min (rpm)

Displacement ..... 5.9 L (359 CU IN)

#### Cooling system - small

radiator ..... 4.3 fins/cm (11 fins/IN)

capacity ..... 30.3 L (32 U.S. quarts)

fan diameter ..... 584 mm (23 IN)

number of fan blades ..... 7

#### Cooling system - large

radiator ..... 2.8 fins/cm (7 fins/IN)

capacity ..... 34.1 L (36 U.S. quarts)

fan diameter ..... 584 mm (23 IN)

number of fan blades ..... 6

Fuel ..... ASTM No. 2 Diesel

Fuel tank capacity ..... 303 L (80 U.S. gallons)

### ELECTRICAL SYSTEM

System voltage ..... 12 volts

Grounding ..... negative

#### Batteries

quantity ..... 2

capacity, each ..... 12 volt, 450 amp

minimum cranking capacity @ 0°F

type ..... SAE J537, Group Size 24 or 27, top post

#### Alternator

manufacturer ..... Robert Bosch

output ..... 95 amperes

## SPECIFICATIONS

### GROUND DRIVE SYSTEM

Final drive	
Type .....	roller chain/planetary
Chain .....	No. 50
Tandem pump .....	Vickers Model 19, piston
Motors .....	Vickers Model MVE19, variable displacement
Speed, approximate	
FIELD range .....	0 to 16 km/h (0 to 10 mph)
ROAD range .....	0 to 24 km/h (0 to 15 mph)

### HEADER DRIVE SYSTEM

Pump .....	Vickers Model PVH98, piston
Motors .....	Vickers Model MFE19, fixed displacement

### HYDRAULIC SYSTEM

Ground drive system	
relief pressure .....	37 925 kPa (5500 psi)
Header drive system	
maximum pressure .....	27 580 kPa (4000 psi)
Header lift system	
relief pressure .....	17 237 kPa (2500 psi)

### HEADER FLOTATION SYSTEM

Type .....	hydraulic with accumulator, adjustable from cab
Accumulator charge pressure .....	6206 kPa (900 psi)

### CAB

Cab glass .....	tinted, 6.8 m <sup>2</sup> (73 sq ft)
Steering column .....	adjustable pivot and tilt
Gages .....	fourteen function monitor analog flotation pressure gage digital speedometer

### AIR CONDITIONING

System size .....	22 000 BTU/hr
Refrigerant .....	HFC 134a
Capacity .....	1.8 kg (4.0 LBS)
Compressor .....	Sanden 507H
displacement .....	154.9 cc (9.5 CU IN)

### ACCESSORIES

Lighting .....	5 lamps front, rectangular halogen 1 lamp rear, rectangular halogen flashers on header and tractor 2 lamps side, tail light, turn signals
Rear view mirrors, right and left .....	deluxe
Controls .....	Shape-coded handles

### LUBRICATION

Grease Fittings	
lubricant .....	CASE IH 251 HEP Lithium Grease
Wheel Bearings	
lubricant .....	CASE IH 251 HEP Lithium Grease
Engine Oil	
quantity with filter change .....	15 L (16 U.S. quarts)
type of fluid .....	Case IH No. 1 Engine Oil, SAE 15W 40, API CE, CDII/CF-4
Hydraulic System	
quantity	
total system .....	98.4 L (26 U.S. gallons)
reservoir .....	76 L (20 U.S. gallons)
type of fluid .....	Engine Oil, SAE 15W 40
type of fluid, alternate .....	Case IH Hy-Tran Plus
<i>NOTE: Hy-Tran Plus can be added to factory-installed fluid, but to get the full benefit of the qualities of Hy-Tran Plus a complete oil replacement is required.</i>	
Chaincases, Final Drive	
quantity, each .....	3.8 L (8 pints)
lubricant .....	Case IH 135H EP Gear Lube 85W 140
Planetary Gearbox	
quantity, each .....	1.1 L (2.4 pints)
lubricant .....	Case IH 135H EP Gear Lube 85W 140

## SERIAL NUMBERS

# SERIAL NUMBERS

When parts or assistance are needed, or when writing to your Authorized Case IH Dealer, always give this information:

1. Model Number of the Machine
2. Product Identification Number



**MODEL NUMBER AND PRODUCT  
IDENTIFICATION NUMBER PLATE**

**FOR LOCATION OF THE  
PRODUCT IDENTIFICATION NUMBER PLATE  
ON THIS MACHINE, SEE "GENERAL INFORMATION"  
SECTION IN THIS MANUAL.**

Write the serial numbers of your machine on the lines below.

**MODEL NUMBER** \_\_\_\_\_

**PRODUCT IDENTIFICATION NUMBER** \_\_\_\_\_



# CHECKLISTS



Use good safety practices when working around this machine.

## DAILY CHECKLIST

- \_\_\_ Do the daily lubrication and service items and those items whose calendar time is due. See the Servicing section for lubrication and service points. See the Preparation section for additional items to check while lubricating and servicing the machine.
- \_\_\_ Check pulleys and components for looseness and alignment.
- \_\_\_ Look for loose or missing bolts or parts.
- \_\_\_ Check the hydraulic system connections for leaks.
- \_\_\_ If the machine is to be transported on a road or highway at night or during the day, accessory lights, warning devices and slow moving vehicle emblem must be used for adequate warning to operators of other vehicles. Make sure all warning lights are operational. Observe local governmental regulations concerning movement of slow and overwidth vehicle.

## BEFORE EACH SEASON

- \_\_\_ Do all the items on the Daily checklist
- \_\_\_ Review the Safety Precautions section.
- \_\_\_ Remove accumulated dirt, trash, and crop material from machine. Make sure the area between the forming shields and the tractor mainframe is clean.
- \_\_\_ Replace primary and secondary air cleaner elements.
- \_\_\_ Lubricate all lubrication points as required. Visually inspect all lubrication points to make sure lubrication is being received. See the Servicing section for service points.
- \_\_\_ Check the level of the coolant in the coolant recovery tank.
- \_\_\_ Check the radiator for dirt and trash. Clean as required.
- \_\_\_ Replace hydraulic reservoir breather air filter.
- \_\_\_ With windrower operating in a stationary position, have an assistant observe the operation of moving parts. Watch for any signs of faulty operation, overheated bearings, and listen for any unusual sounds.
- \_\_\_ Make sure the proper operating adjustments have been made for your crop.
- \_\_\_ See the Extra Equipment section for extra equipment that will help you do a better job.

## SAFETY PRECAUTIONS

### Safety Information

Understand that your safety and the safety of other persons is measured by how you service and operate this machine. Know the positions and operations of all controls before you try to operate this machine. **MAKE SURE YOU CHECK ALL CONTROLS IN A SAFE AREA BEFORE STARTING YOUR WORK.**

**READ THIS MANUAL COMPLETELY** and make sure you understand the controls. All equipment has a limit. Make sure you understand the speed, brakes, steering, stability, and load characteristics of this machine before you start to operate the machine.

The safety information given in this manual does not replace safety codes, insurance needs, state and local laws. Make sure your machine has the correct equipment needed by the local laws and regulations.



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## **SAFETY PRECAUTIONS**

**Read and understand all operating instructions and precautions before attempting to operate or service the machine.**

**After using the Operator's Manual, return the manual to the container provided on the machine.**

**Before doing any maintenance or service work on the tractor or the header you must:**

- **Park the machine on a solid level surface.**
- **Put all controls in NEUTRAL.**
- **Apply the parking lock.**
- **Center and lock the steering wheel.**
- **When working on the tractor, lower the header to the ground.**
- **When working on the header, raise the header all the way.**
- **Stop the engine and take the key with you.**
- **Look and Listen! Make sure all moving parts have stopped.**
- **If the header is raised, install the cylinder safety stop on the left header lift cylinder.**

**When the header is raised for service or maintenance work, the cylinder safety stop must be installed on the left header lift cylinder to prevent lowering of the header.**

**Never check drive belts while the machine is running.**

**After lubricating, servicing or adjusting the machine, make sure all tools and equipment have been removed.**

**All shields, guards, and curtains must be in position before operating the machine.**

**Emphasize the importance of safety when working around and operating the machine.**

**Caution others, especially children, about climbing on the machine or being too close while machine is operating.**

**Never permit riders on the machine at any time except in the operator training seat, if installed.**

**The operator instruction seat is to be used only for instructing operators.**

**The operator instruction seat is only intended for short periods of use.**

**Make sure all persons are away from the machine before operating the machine.**

**Never stand near the header while the machine is operating.**

**Never stand behind tractor while the header is running.**

**Do not attempt to remove foreign objects from rotary mower conditioner while the machine is running. Allow the rotating discs to stop completely before leaving the tractor seat. Listen for evidence of rotation.**

**Rocks and other debris can be thrown from the machine during operation possibly resulting in injury. Be careful when operating along the side of a road or buildings.**

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