

# **644, 744, 844 & 844S Diesel Tractors**

## **Operators Manual**

1091240R2

Reprinted

**CASE III**



*This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. The message that follows the symbol contains important information about your safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death.*

SB001

IF THIS MACHINE IS USED BY AN EMPLOYEE, IS LOANED, OR IS RENTED, MAKE SURE THAT THE OPERATOR UNDERSTANDS THE TWO INSTRUCTIONS BELOW.

BEFORE THE OPERATOR STARTS THE ENGINE:

1. GIVE INSTRUCTIONS TO THE OPERATOR ON SAFE AND CORRECT USE OF THE MACHINE.
2. MAKE SURE THE OPERATOR READS AND UNDERSTANDS THE OPERATOR'S MANUAL FOR THIS MACHINE.



IMPROPER OPERATION OF THIS MACHINE CAN CAUSE INJURY OR DEATH.

BEFORE STARTING THE ENGINE, DO THE FOLLOWING:

1. READ THE OPERATOR'S MANUAL.
2. READ ALL SAFETY DECALS ON THE MACHINE.
3. CLEAR THE AREA OF OTHER PERSONS.

LEARN AND PRACTICE SAFE USE OF MACHINE CONTROLS IN A SAFE, CLEAR AREA BEFORE YOU OPERATE THIS MACHINE ON A JOB SITE.

It is your responsibility to observe pertinent laws and regulations and to follow manufacturer's instructions on machine operation and maintenance.

See your Authorized Case dealer for additional operator's manuals, parts catalogs, and service manuals.

## **TO THE OWNER**

Operating safety and ready and efficient performance are the qualities required of any machine, if it is to fulfil its essential function of replacing manpower, and rationalizing economy.

Properly operated and maintained, your International machine will meet these requirements to your satisfaction.

Proper adjustment, sufficient lubrication, the use of good quality oil, and close observation of the machine in operation will safeguard you against unnecessary trouble.

The operating and maintenance instructions assembled in this book will provide you with a better understanding of the correct care and efficient operation of your machine.

For special servicing jobs on your machine rely on the expert knowledge of the servicemen, and the service facilities at your dealer's workshop.

Before attempting to operate the machine, be sure that you have studied the instructions in this book which we recommend you to keep at hand for checking over particular items.

# **OPERATOR'S MANUAL**

# International

## **DIESEL TRACTOR**

## **644 + 744**

## **844 + 844 S**

**INTERNATIONAL HARVESTER COMPANY M. B. H., NEUSS AND HEIDELBERG**

1 091 240 R2 4.77



**INTERNATIONAL  
Diesel Tractors**



**Left-side view**



**Right-side view**



# TRACTOR DELIVERY REPORT

(please complete in capitals)

Delivered to ..... Address .....  
Purchaser's Name

..... Town ..... Rail Station ..... Date ..... 19.....

Main purpose :			International
Total arable acreage .....			Model .....
Belt work			Serial No. Chassis .....
Road transport			Transm. ....
Tractors owned :			Draft Control .....
Make	Number	Age	Engine .....
.....	.....	.....	Year of manufacture .....
.....	.....	.....	Tires, front .....rear .....
.....	.....	.....	Front drive axle - Model.....
			Serial No.....

**Pre-delivery Service**  
Prior to delivery of the above tractor the following items were checked and corrective action taken as necessary:

<input type="checkbox"/> Shortage or damage in shipment	<input type="checkbox"/> Engine cooling system	<input type="checkbox"/> Rear wheel disk nuts 160- 180 ft. lbs.
<input type="checkbox"/> Attachments and special equipment as ordered	<input type="checkbox"/> Electrolyte level and charge condition of battery	<input type="checkbox"/> Gearshift mechanism and power-shift transmission
<input type="checkbox"/> Tire pressure	<input type="checkbox"/> Engine operation	<input type="checkbox"/> Trial run
<input type="checkbox"/> Crankcase oil level	<input type="checkbox"/> Starting motor	<input type="checkbox"/> Oil level and operation of hydraulic lift *
<input type="checkbox"/> Brake fluid level (744/844/844S)	<input type="checkbox"/> Alternator	<input type="checkbox"/> Mounted mower, shortage in shipment and operation *
<input type="checkbox"/> Transmission and differential oil level	<input type="checkbox"/> Lighting equipment	<input type="checkbox"/> External cleaning
<input type="checkbox"/> Rear axle oil level	<input type="checkbox"/> Engine clutch	
<input type="checkbox"/> Oil pressure, power-shift transmission	<input type="checkbox"/> Brakes	
	<input type="checkbox"/> Engine oil pressure	

**Delivery Service**  
At the time of delivery the importance of the Operator's Manual was explained and, with it as a guide, instruction was given as indicated by check marks :

<input type="checkbox"/> Precautions with new machine	<input type="checkbox"/> Purpose of oil pressure control lamp	<input type="checkbox"/> Hitching loads
<input type="checkbox"/> Safety precautions	<input type="checkbox"/> Care of cooling system	<input type="checkbox"/> Wheel tread adjustment
<input type="checkbox"/> Use of good quality fuels and lubrication oils and storage of same	<input type="checkbox"/> V-belt tension	<input type="checkbox"/> Brakes
<input type="checkbox"/> Lubrication of the entire machine according to lubrication guide	<input type="checkbox"/> Care of fuel system	<input type="checkbox"/> Pneumatic tires, care of, pressure, wheel weights
<input type="checkbox"/> Checking oil levels	<input type="checkbox"/> Care of hydraulic system *	<input type="checkbox"/> Cold weather precautions
<input type="checkbox"/> Periodical oil changes	<input type="checkbox"/> Use of engine clutch, gearshift lever and P.T.O. shifter lever	<input type="checkbox"/> Storing and housing the tractor
<input type="checkbox"/> Care of air cleaner	<input type="checkbox"/> Use of differential lock	<input type="checkbox"/> Starting engine after storage
<input type="checkbox"/> Care of oil filter	<input type="checkbox"/> Care of electrical equipment such as battery, starter etc.	<input type="checkbox"/> Retightening nuts and bolts
<input type="checkbox"/> Starting, stopping and general operation, instruments and controls	<input type="checkbox"/> Alternator, charge contro, preheater coil, lights, fuses etc.	<input type="checkbox"/> Cleaning the tractor
<input type="checkbox"/> Purpose of thermostat		<input type="checkbox"/> Operation and maintenance of side mounted mower and front loader *

\* when so equipped

The customer's signature below certifies that the tractor was delivered to him in a satisfactory condition and that he received instructions as to its operation and maintenance together with an Operator's Manual and guarantee certificates for "Bosch" components.

Signed ..... Customer Signed ..... Dealer Stamp

By ..... By .....

Without Delivery Report no Warranty Claims!





# TRACTOR DELIVERY REPORT

(please complete in capitals)

Delivered to ..... Address .....  
Purchaser's Name

..... Town ..... Rail Station ..... Date ..... 19.....

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Tractors owned :			Draft Control .....
Make	Number	Age	Engine .....
.....	.....	.....	Year of manufacture .....
.....	.....	.....	Tires, front .....rear .....
.....	.....	.....	Front drive axle - Model.....
			Serial No.....

### Predelivery Service

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- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Shortage or damage in shipment               | <input type="checkbox"/> Engine cooling system                             | <input type="checkbox"/> Rear wheel disk nuts 160- 180 ft. lbs.              |
| <input type="checkbox"/> Attachments and special equipment as ordered | <input type="checkbox"/> Electrolyte level and charge condition of battery | <input type="checkbox"/> Gearshift mechanism and power-shift transmission    |
| <input type="checkbox"/> Tire pressure                                | <input type="checkbox"/> Engine operation                                  | <input type="checkbox"/> Trial run   |
| <input type="checkbox"/> Crankcase oil level                          | <input type="checkbox"/> Starting motor                                    | <input type="checkbox"/> Oil level and operation of hydraulic lift *         |
| <input type="checkbox"/> Brake fluid level (744/844/844S)             | <input type="checkbox"/> Alternator  | <input type="checkbox"/> Mounted mower, shortage in shipment and operation * |
| <input type="checkbox"/> Transmission and differential oil level      | <input type="checkbox"/> Lighting equipment                                | <input type="checkbox"/> External cleaning                                   |
| <input type="checkbox"/> Rear axle oil level                          | <input type="checkbox"/> Engine clutch                                     |  |
| <input type="checkbox"/> Oil pressure, power-shift transmission       | <input type="checkbox"/> Brakes  |  |
|   | <input type="checkbox"/> Engine oil pressure                               |  |

### Delivery Service

At the time of delivery the importance of the Operator's Manual was explained and, with it as a guide, instruction was given as indicated by check marks :

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Precautions with new machine                                       | <input type="checkbox"/> Purpose of oil pressure control lamp                           | <input type="checkbox"/> Hitching loads   |
| <input type="checkbox"/> Safety precautions   | <input type="checkbox"/> Care of cooling system   | <input type="checkbox"/> Wheel tread adjustment   |
| <input type="checkbox"/> Use of good quality fuels and lubrication oils and storage of same | <input type="checkbox"/> V-belt tension   | <input type="checkbox"/> Brakes   |
| <input type="checkbox"/> Lubrication of the entire machine according to lubrication guide   | <input type="checkbox"/> Care of fuel system  | <input type="checkbox"/> Pneumatic tires, care of, pressure, wheel weights                  |
| <input type="checkbox"/> Checking oil levels  | <input type="checkbox"/> Care of hydraulic system *                                     | <input type="checkbox"/> Cold weather precautions   |
| <input type="checkbox"/> Periodical oil changes   | <input type="checkbox"/> Use of engine clutch, gearshift lever and P.T.O. shifter lever | <input type="checkbox"/> Storing and housing the tractor                                    |
| <input type="checkbox"/> Care of air cleaner  | <input type="checkbox"/> Use of differential lock                                       | <input type="checkbox"/> Starting engine after storage                                      |
| <input type="checkbox"/> Care of oil filter   | <input type="checkbox"/> Care of electrical equipment such as battery, starter etc.     | <input type="checkbox"/> Retightening nuts and bolts  |
| <input type="checkbox"/> Starting, stopping and general operation, instruments and controls | <input type="checkbox"/> Alternator, charge contro, preheater coil, lights, fuses etc.  | <input type="checkbox"/> Cleaning the tractor   |
| <input type="checkbox"/> Purpose of thermostat  |   | <input type="checkbox"/> Operation and maintenance of side mounted mower and front loader * |

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Signed .....  
Customer

Signed .....  
Dealer Stamp

By .....

By .....

Without Delivery Report no Warranty Claims!



## **Service**

Careful completion of the Delivery Report provides Customer and Dealer with valuable information for subsequent servicing of the tractor during the entire period of its life.

Contact your local IH Dealer frequently to discuss adjustment, maintenance or any service problem that might crop up.

A close contact with your Dealer can only be beneficial, for the better you are kept informed on latest service procedures and the more you take advantage of your Dealer's experience the higher will be your chances of enjoying the full benefits of your machine.



## MAJOR SECTION CONTENTS

This Operator's Manual consists of the following major sections:

	Page:
<b>1. Introduction</b> (Index, General Instructions, Safety Precautions)	2 – 9
<b>2. Technical Data</b> (Capacities, Dimensions, Travelling Speeds, Recommended Lubricants)	10 – 17
<b>3. Preparing for Each Day's Work</b>	18
<b>4. Instruments and Controls</b>	19 – 25
<b>5. Operating the Tractor</b> (Breaking-in Period, Starting and Stopping the Engine)	26 – 27
<b>6. Operating Adjustments</b> (Weights, Tread Width)	28 – 33
<b>7. Operating Equipment</b> (PTO, Trailer Hitch, Drawbar, Three-point Suspension Hitch, Hydraulic Lift, Front Loader)	34 – 43
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<b>9. Storing and Housing</b>	76
<b>10. Trouble Shooting</b>	77 – 79

Maintenance operations as described in this manual can, as a rule, be made by the operator himself.

**Caution:** It is, however, strongly recommended to let your dealers serviceman take care of such operations as repair and adjustment on fuel injection system, brake system, hydraulic system, steering gear, drive shafts, electrical system.



Safety rules are given for your protection, it pays to observe them.

**Buy Now**



Our support email:

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