# John Deere 843L-II Wheeled Feller Buncher Operation & Test Technical Manual (TM14329X19)

# 843L-II Wheeled Feller Buncher Diagnostic

PIN: 1DW843L\_\_\_F690815--



# JOHN HARE



## **OPERATION & TEST TECHNICAL MANUAL**

843L-II Wheeled Feller Buncher

(PIN: 1DW843L\_ \_ \_F690815—)

TM14329X19 30NOV19 (ENGLISH)

#### For complete service information also see:



Worldwide Construction and Forestry Division

**Covers:** 843L-II,1DW843L\_,\_F690815������

**Type:** Service Manual **Language:** English

**Pages:** 715

Format PDF

**Features:** Bookmarked, searchable, printable **Compatibility:** Windows/Mac/Tablet/Mobile

This service manual contains important information for the maintenance, troubleshooting and servicing of

the John Deere 843L-II Wheeled Feller Buncher Operation & Test Technical Manual (TM14329X19)

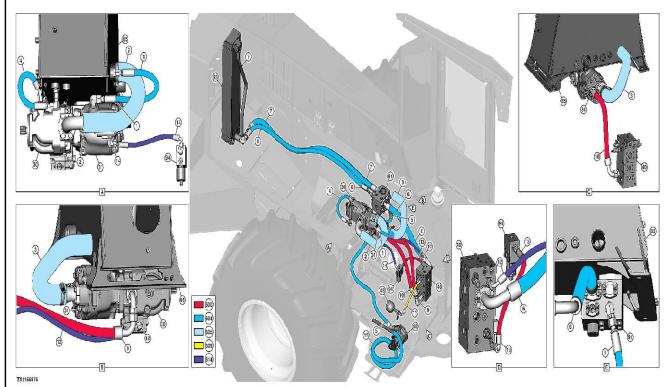
In this manual you will find detailed specifications, illustrations, schematics, diagrams and step-by-step procedures to properly service and diagnose the machine to the manufacturer's standards.

## **Contents:**

- · General Information
- Specifications
- Serial Number Location
- Engine Specifications
- Engine Diagnostics
- · Engine Tests and Adjustments
- · Engine Repair
- Power Train
- Transmission
- Axles
- Differential
- PTO
- Hydraulic System
- Electrical System
- Electrical Tests and Diagnostics
- Wiring Diagram / Schematic
- Ignition and Charging
- Steering
- Brakes
- Wheels
- · Operator's Platform
- · Body Panels
- Disassembly and Assembly
- · Diagnostics, Tests and Adjustments
- Troubleshooting
- · and much more...

Please note this manual is in <b>downloadable PDF format only.</b> If you have any questions about this product or would like to request sample pages, please contact us and reference the product name or SKU.	

# **Hydraulic Pumps and Cooler Circuit Line identification**



TX1166876-UN: Hydraulic Pumps and Cooler Circuit Line identification LEGEND:

1-Case Drain Line (saw pump port D3 to 9-High-Pressure Line (main hydraulic pump hydraulic oil reservoir)

2-Suction Line (hydraulic oil reservoir to main hydraulic pump port A)

3-Suction Line (hydraulic oil reservoir to saw pump port A)

4-Case Drain Line (main hydraulic pump port D1 to hydraulic oil reservoir)

5-Return Line (hydraulic fill pump to return manifold port E)

6-Return Line (hydraulic pump manifold port T2 to return manifold port F)

7-Return Line (hydraulic oil cooler to return manifold port B)

8-Return Line (return manifold port G to hydraulic oil cooler)

port B to hydraulic pump manifold port MAIN PUMP)

10-High-Pressure Line (saw pump port B to hydraulic pump manifold port SAW PUMP) 11-Pilot Line (hydraulic pump manifold port ACC to accumulator)

12-Load Sense Line (hydraulic pump manifold port LS MAIN PUMP to hydraulic pump port X)

13-High-Pressure Line (hydraulic pump manifold port SAW P to saw power control valve port PUMP)

14-Load Sense Line (saw power control valve port LS to saw pump port X)

15-Fill Pump Inlet Line

30-Main Hydraulic Pump

31-Saw Pump

40-Hydraulic Pump Manifold

48-Pilot Accumulator

85-Hydraulic Oil Reservoir

88-Hydraulic Fill Pump (hand operated)

91-Return Manifold

93-Hydraulic Oil Cooler

94-Saw Power Control Valve

600-High-Pressure Oil

604-Return Oil

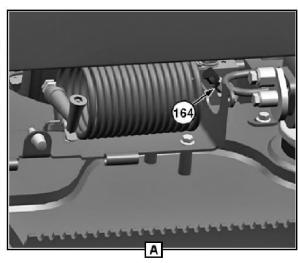
605-Suction Oil

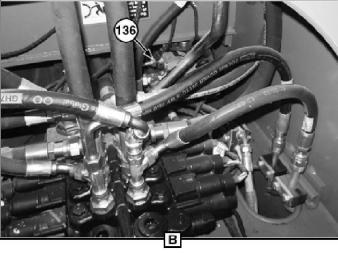
609-Pilot Oil

614-Load Sense Oil

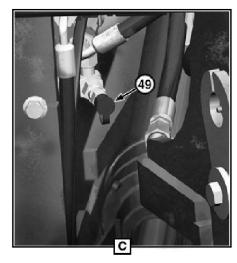
# **Hydraulic Test Port Locations**











TX1262280A UN: Hydrauic Test Port Locations LEGEND:

**49-Accumulator Test Port** 

136-Park Brake Test Port

164-Differential Lock Pressure Test Port

Test ports (49, 136, and 164) are used to connect JT02156A Digital Pressure and Temperature Analyzer Kit. Ports are the same for the saw and shear machine. For more information on test port locations, see Hydraulic System Schematic—Saw or see Hydraulic System Schematic—Shear. (Group 9025-10.)

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Thank you very much for your reading.

Please click here to get more information.