2440 AND 2640 TRACTORS (S/N -340999)

TECHNICAL MANUAL
2440 AND 2640 TRACTORS (S/N -340999)

TM1142 (01MAR81) English

JOHN DEERE TRACTOR WORKS
TM1142 (01MAR81)

LITHO IN THE U.S.A.
ENGLISH
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INTRODUCTION

This technical manual is part of a twin concept of service:

- FOS Manuals—for reference
- Technical Manuals—for actual service

The two kinds of manuals work as a team to give you both the general background and technical details of shop service.

Fundamentals of Service (FOS) Manuals cover basic theory of operation, fundamentals of trouble shooting, general maintenance, and basic types of failures and their causes. FOS Manuals are for training new personnel and for reference by experienced technicians.

Technical Manuals are concise service guides for a specific machine. Technical Manuals are on-the-job guides containing only the vital information needed by an experienced technician.

When a service person should refer to a FOS Manual for more information, a FOS symbol like the one at the left is used in the TM to identify the reference.

Some features of this technical manual:

- Table of contents at front of manual
- Exploded views showing parts relationship
- Photos showing service techniques
- Specifications grouped for easy reference

This technical manual was planned and written for you—an experienced technician. Keep it in a permanent binder in the shop where it is handy. Refer to it whenever in doubt about correct service procedures or specifications.

Using the technical manual as a guide will reduce error and costly delay. It will also assure you the best in finished service work.

⚠ This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

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Section 10
GENERAL

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GROUP 5
GENERAL TRACTOR SPECIFICATIONS (2440)

ENGINE
  Maximum PTO horsepower* .................................. 60.65 (45.23 kW)
  Number of cylinders ....................................... 4
  Bore and stroke ............................................ 4.02 in. (102 mm) x 4.33 in. (110 mm)
  Displacement ............................................... 219 in.³ (3590 cm³)
  Compression ratio ......................................... 16.8 to 1
  Firing Order ................................................ 1-3-4-2
  Intake valve clearance .................................... 0.014-in. (0.35 mm)
  Exhaust valve clearance .................................. 0.018-in. (0.46 mm)
  Slow idle ................................................... 800 rpm
  Fast idle ................................................... 2650 rpm

*Official test at 2500 engine rpm (650 or 1210 PTO rpm)

ELECTRICAL SYSTEM
  Battery dry voltage ........................................ 12 volts
  Battery specific gravity at full charge (corrected to 80°F [27°C]) ........................................ 1.260
  Battery terminal grounded ................................ negative

CAPACITIES
  Fuel tank ................................................... 19-1/2 gals. (73.8 L)
  Cooling system ............................................ 12 qts. (11.4 L)
  Crankcase (including filter) ................................ 6 qts. (5.7 L)
  Transmission-hydraulic system ................................ 10 gals. (38 L)
  Belt pulley .................................................. 2-1/2 pts. (0.3 L)

CLUTCH ........................................................ Single or dual stage, spring-loaded, dry disk, foot-operated.

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