



4000 & 4020 TRACTORS



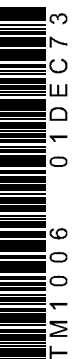
TECHNICAL MANUAL 4000 & 4020 TRACTORS

TM1006 (01DEC73) English



TM1006 (01DEC73)

LITHO IN THE U.S.A. (REVISED)
ENGLISH



4000 AND 4020 TRACTOR (Serial No. 201,000 - Up)

Technical Manual
TM-1006 (Aug-70)

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INTRODUCTION



Use FOS Manuals for Reference



Use Technical Manuals for Actual Service

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 men and for reference by experienced men.


Technical Manuals are concise service guides for a *specific* machine. Technical Manuals are on-the-job guides containing only the vital information needed by a journeyman mechanic.



When a serviceman 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 whole manual*
- *Contents at front of each Section*
- *Specifications at end of each Group*
- *Special tools at end of each Group*

 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.

This technical manual was planned and written for you—a journeyman mechanic. 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.

Section 10 GENERAL

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Group 5

GENERAL TRACTOR SPECIFICATIONS

PTO HORSEPOWER (Officially observed at 2200 engine rpm with synchro-range transmission)

	4000	4020
Diesel	96.89	94.9 hp.
Gasoline	*96	96.7 hp.
LP-gas		94.6 hp.

ENGINE

Type . . 4-stroke cycle, 6-cylinder in-line, valve-in-head

Bore and Stroke:

Diesel 4-1/4 x 4-3/4 in.
 Gasoline and LP-gas . 4-1/4 x 4-1/4 in.

Displacement:

Diesel 404 cu. in.
 Gasoline and LP-gas 362 cu. in.

Compression ratio:

Diesel 16.3 to 1
 Gasoline 7.5 to 1
 LP-gas 9.0 to 1

Firing order 1-5-3-6-2-4

*Factory observed.

ENGINE (Continued)

Engine Speeds:

Working range 1500 to 2200 rpm
 Maximum transport speed . . . 2500 rpm
 Slow idle 800 rpm

COOLING SYSTEM

Type . Pressurized system with centrifugal pump
 Engine temperature control . . . Heavy-duty thermostat

LUBRICATION SYSTEM

Type . Force-feed, pressurized with full-flow oil filter.

FUEL SYSTEM

Diesel . . . Direct injection, inlet metering, distributing-type.
 Diaphragm-type fuel pump.



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for your reading.
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to get more information.