Page Thumbnails


19


20


21


22


23


24


25


26


27







Section 10
GENERAL

CONTENTS OF THIS SECTION

	Page
GROUP 5—SPECIFICATIONS	
General Tractor Specifications	5-1
GROUP 10—PREDELIVERY, DELIVERY, AND AFTER-SALES SERVICE	
Before Unloading Tractor	10-1
Predelivery Services	10-4
Delivery Services	10-20
After-Sale Services	10-21
GROUP 15—TUNE-UP	
Preliminary Engine Testing	15-1
Engine Tune-Up	15-1
Operation	15-8
General	15-8
GROUP 20—LUBRICATION	
Lubricants	20-1
Engine	20-2
Transmission-Hydraulic System	20-3
Front Wheel Bearings	20-6
Grease Fittings	20-6
GROUP 25—SEPARATION	
Removing Sound-Gard Body without Control Support	25-1
Removing Sound-Gard Body with Control Support	25-6
Separating Engine from Clutch Housing	25-11
Removing Engine from Front End	25-15
Removing Front End (4430)	25-19
Removing Front End (4630)	25-23
Separating Clutch Housing from Power Shift Transmission Case	25-26
Separating Clutch Housing from Quad-Range Transmission Case	25-28
Removing Rear Axle Housing	25-30
GROUP 30—SPECIFICATIONS	30-1

eManuals.com
watermark only on this sample

Group 5
GENERAL TRACTOR SPECIFICATIONS

HORSEPOWER:*
- 4430 ..... 125.88 hp (93.87 kW)
- 4630 ..... 150.66 hp (112.43 kW)

ENGINE:
- Type ..... 6-cylinder, in-line, valve-in-head, diesel, turbocharged
- Bore and stroke ..... 4-1/4 x 4-3/4 in. (108 x 121 mm)
- Displacement ..... 404 cu. in. (6620 cm³)
- Compression ratio ..... 15.5 to 1
- Firing order 1-5-3-6-2-4
- Valve clearance ..... In.-0.018 in. (0.46 mm) Ex.-0.028 in. (0.71 mm)
- Injection pump timing ..... TDC
- Engine Speeds:
  - Working range ..... 1500 to 2200 rpm
  - Maximum transport speed ..... 2400 rpm
  - Engine speeds:
    - Slow idle ..... 800 rpm
    - Fast idle ..... 2400 rpm

**Official test: hp. measured at the PTO at 2200 engine rpm.*

LUBRICATION SYSTEM: ..... Full pressurized with full-flow micronic oil filter, water cooled oil cooler, and bypass valves for filter and cooler.

FUEL SYSTEM:
- Type ..... Diesel, direct injection
- Filter ..... Two-stage with replaceable impregnated paper element.
- Injection pump type ..... Multiple plunger, in-line
- Air cleaner ..... Dry type, with safety element

COOLING SYSTEM:
- Type ..... Pressurized with centrifugal pump
- Temperature control ..... Heavy-duty thermostats