4440 Tractor



TECHNICAL MANUAL

4440 Tractor

TM1182 (01SEP77) English

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LITHO IN U.S.A. ENGLISH

4440 TRACTOR TECHNICAL MANUAL TM-1182 (SEP-77)

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All information, illustrations and specifications contained in this technical manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

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Group 00 SPECIFICATIONS AND AND SPECIAL TOOLS **GENERAL TRACTOR SPECIFICATIONS**

HORSEPOWER (Factory observed PTO horsepower at 2200 rpm)

130 hp (97 kW)

ENGINE:

Type Slow idle speed Working speed range Bore and stroke Displacement Compression ratio Firing order Valve clearance Intake Exhaust Injection pump timing Lubrication system

6-cylinder, in-line, valve-in head, diesel, turbocharged, 800 rpm 1500 to 2200 rpm 4.56 x 4.75 in. (116 x 121 mm) 466 cu. in. (7.6 L) 14.9 to 1 1-5-3-6-2-4

0.018 in. (0.46 mm) 0.028 in. (0.71 mm) TDC force-feed, pressurized with full-flow filter

FUEL SYSTEM: direct injection Type Injection pump type in-line Air cleaner dry type with safety element COOLING SYSTEM dual-pressure with centrifugal pump Type Temperature control dual heavy duty thermostats **CAPACITIES** Fuel tank 65 U.S. gal. (245 L) Cooling system 36 U.S. qt. (34 L) Crankcase (with filter change) 16 U.S. qt. (15 L) Transmission-hydraulic system (Drain and fill) Power Shift Transmission 11.0 U.S. gal. (49.2 L) QUAD-RANGE Transmission 13.0 U.S. gal. (41.6 L) Add for Power Front-Wheel Drive 4.0 U.S. gal. (15.1 L) Transmission-hydraulic system (Dry, production fill) Power Shift Transmission 15.9 U.S. gal. (60.3 L) **QUAD-RANGE Transmission** 15.9 U.S. gal. (60.3 L) Add for Power Front-Wheel Drive 5.0 U.S. gal. (18.9 L) POWER SHIFT TRANSMISSION: Type planetary gears, hydraulically actuated wet disk clutches and brakes Gear selections 8 forward and 4 reverse Shifting hydraulic, on-the-go and under load QUAD-RANGE TRANSMISSION Type 2-speed, power-shifted planetary and 8-speed synchronized 16 forward and 6 reverse Gear selections hydraulically-operated, multiple-disk wet clutch Perma-Clutch POWER TAKE-OFF: Type fully independent Speed (2200 engine rpm) dual speed 540-1000 rpm 1-3/8 in. (35 mm) Size Clutch hydraulically-operated, multiple-disk wet clutch POWER FRONT-WHEEL DRIVE: Type hydraulic motor with planetary gear reduction, constant torque and variable speed Controls solenoid-operated valves, synchronized with transmission controls HYDRAULIC SYSTEM: Type closed-center, constant-pressure Standby pressure 2250 psi (155 bar) (155 kg/cm²) **BRAKES:**

hydraulically-operated wet disk

Type

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