

DIESEL TRACTOR

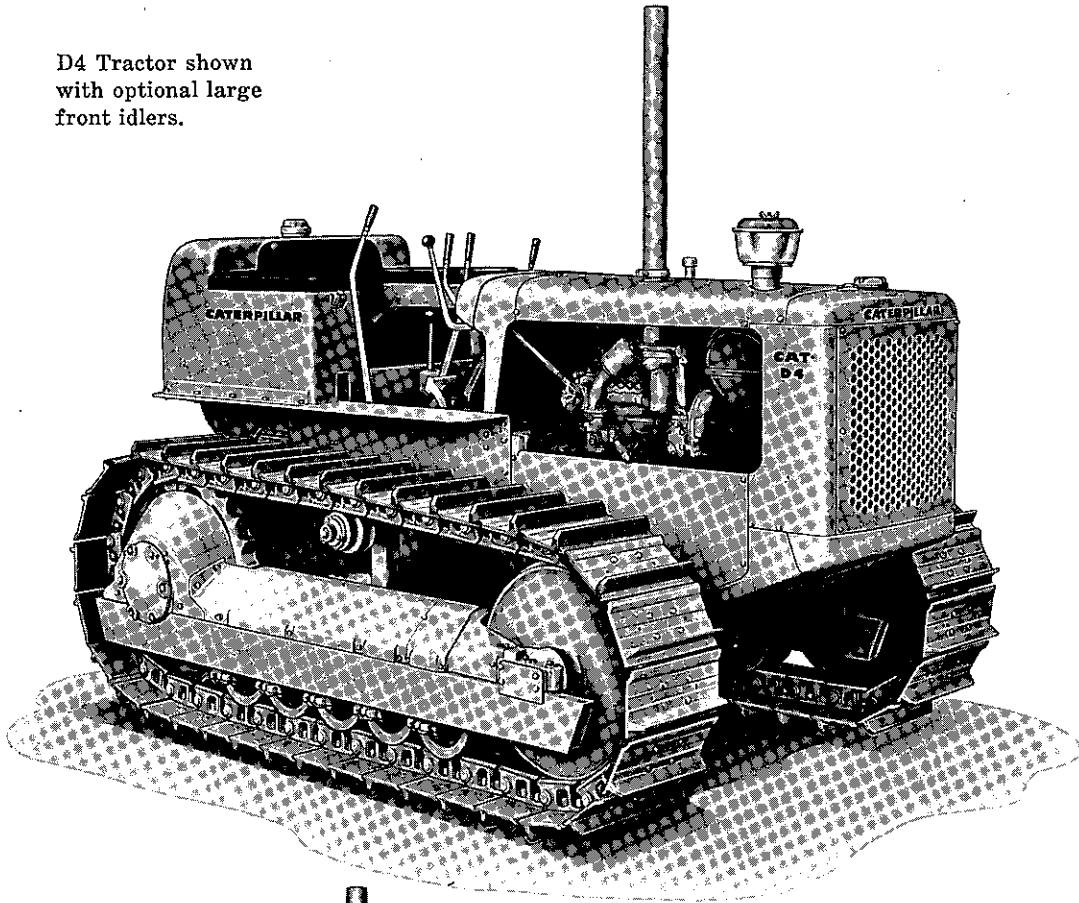
CATERPILLAR

D4

65 HP (Flywheel)

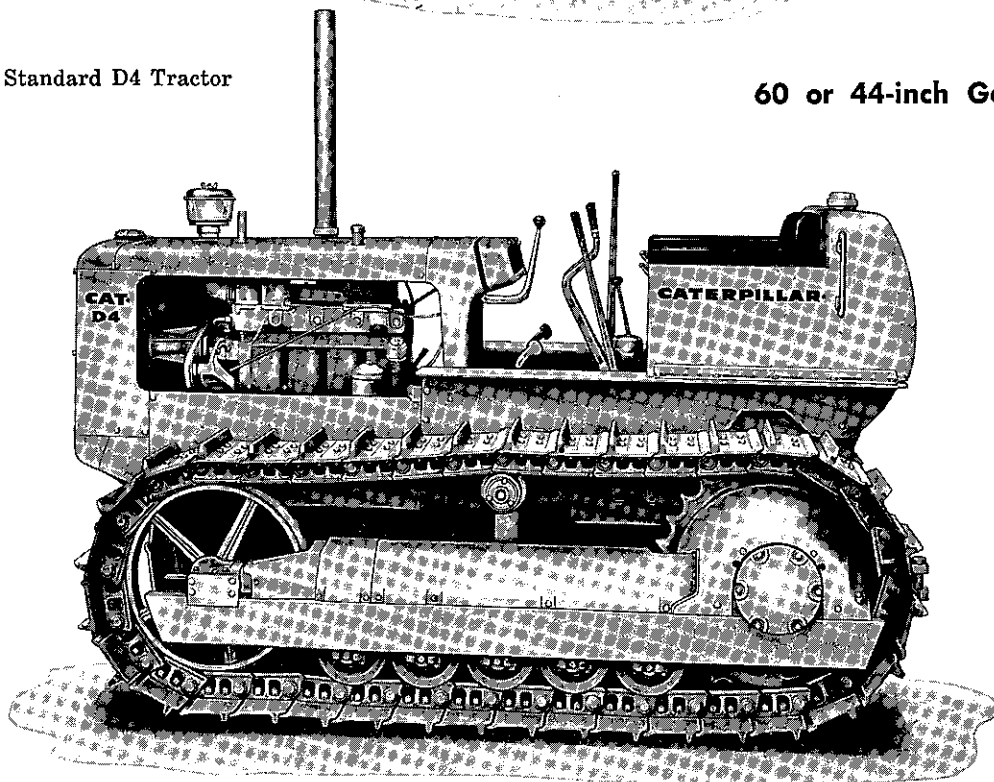
Series C

D4 Tractor shown
with optional large
front idlers.



Standard D4 Tractor

60 or 44-inch Gauge



D4

DIESEL TRACTOR

CONVERSION TABLE

1 Mile = 1.609 Kilometers 1 Sq. Yd. = 0.836 Sq. Meters
 1 Foot = 30.48 Centimeters 1 Sq. Ft. = 929 Sq. Centimeters
 1 Inch = 2.54 Centimeters 1 Sq. In. = 6.452 Sq. Centimeters
 1 U.S. Gal. = 3.785 Liters
 1 U.S. Gal. = 0.833 Imp. Gals.

◆ HORSEPOWER:

(Rated at sea level)

Flywheel	65
Belt	59
Drawbar	52

◆ OPERATING PERFORMANCE DATA:

Travel Speeds At Rated Engine RPM		Gear	Drawbar Pull (lb.)	
MPH	FPM		RATED	MAX.
1.6	141	1	11,300	13,000
2.3	203	2	8,060	9,270
3.2	282	3	5,690	6,540
4.2	370	4	4,190	4,820
5.5	484	5	3,040	3,520
REVERSE				
1.9	167	1	9,460	10,850
2.7	238	2	6,840	7,870
3.8	334	3	4,730	5,450
4.9	431	4	3,480	4,000

Maximum available pull will depend on traction and weight of the fully equipped tractor.

(Optional transmission available)

ENGINE:

Four-cycle, valve-in-head, diesel
 Number of cylinders..... 4
 Bore and stroke..... 4½" x 5½"
 Piston displacement..... 350 cu. in.
 RPM—governed at full load..... 1,600

- ◆ RPM—at maximum drawbar pull (point of maximum torque)..... 1,100
- N.A.C.C. horsepower rating for tax purposes. 32.4
- Lubrication (full flow filtering).... Full pressure
- Crankshaft..... "Hi-Electro" hardened
- Bearings..... 5 main bearings steel-backed aluminum, precision-type
- Fuel injection system..... Caterpillar-built
- ◆ Air cleaner..... Dry type

FUEL: Burns economy-type No. 2 Fuel Oil (ASTM Specification D396-48T), often called No. 2 furnace or burner oil, with a minimum cetane rating of 35. Expensive, premium-quality Diesel Fuel can be used but is not required.

- ◆ **STARTING METHOD:** Independent two-cylinder, four-cycle gasoline engine. Cooling system and lubrication integral with diesel engine. 24-volt electric starting optional.

TRANSMISSION: Power transmitted through dry flywheel clutch to selective type speed change. Oil-type flywheel clutch is optional.

STEERING:

Clutches (overcenter spring booster). Multiple disc
 Clutch friction material..... Metallic
 Number of friction surfaces in each steering clutch..... 22
 Clutch inner drum teeth..... Helical
 Brakes..... Contracting band

◆ TRACK:

Number of shoes (each side)..... 35
 Width of standard track shoe..... 13"
 Height of grouser (measured from ground face of standard track shoe)..... 1⅞"
 Length of tracks on ground (center drive sprocket to center front idler)..... 6' ¾"
 Area ground contact with 13" track shoes (sq. in.)..... 1,892
 Roller and idlers..... Lifetime lubricated
 Track adjusters..... Screw type (hydraulic is optional)

◆ CAPACITIES:

U. S. Gallons

Cooling system..... 10
 Fuel tank..... 42
 Lubrication system..... 4
 Crankcase..... 4
 Transmission..... 6¾
 Final drive (each)..... 3—60" Gauge
 1¾—44" Gauge

◆ GENERAL DIMENSIONS:

Length (over-all)..... 10' 8½"
 Height (measured from tip of grouser of standard track shoe to highest point, exclusive of exhaust pipe and precleaner)..... 5' 9⅞"
 Width (over-all)
 60-inch gauge..... 6' 6⅞"
 44-inch gauge..... 5' 2⅞"
 Ground clearance (measured from ground face of standard track shoe to lowest point on equalizer spring)..... 14"
 Height rigid drawbar above ground (measured from ground face of standard track shoe) two position clevis..... 15" or 18¾"

◆ WEIGHT:

Shipping, (approx.)
 60-inch gauge..... 11,440 lb.
 44-inch gauge..... 11,000 lb.
 Operating, (approx.)
 60-inch gauge..... 11,710 lb.
 44-inch gauge..... 11,370 lb.

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Materials and specifications are subject to change without notice.

◆ INDICATES CHANGE FROM PREVIOUS SHEET.