

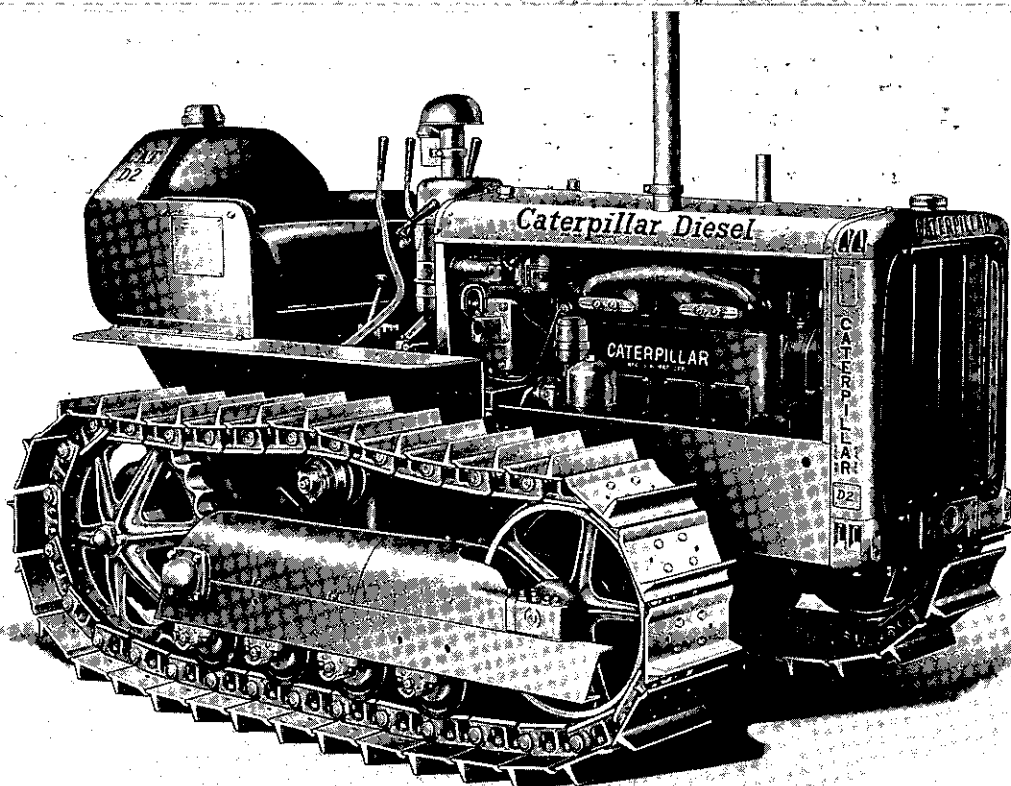
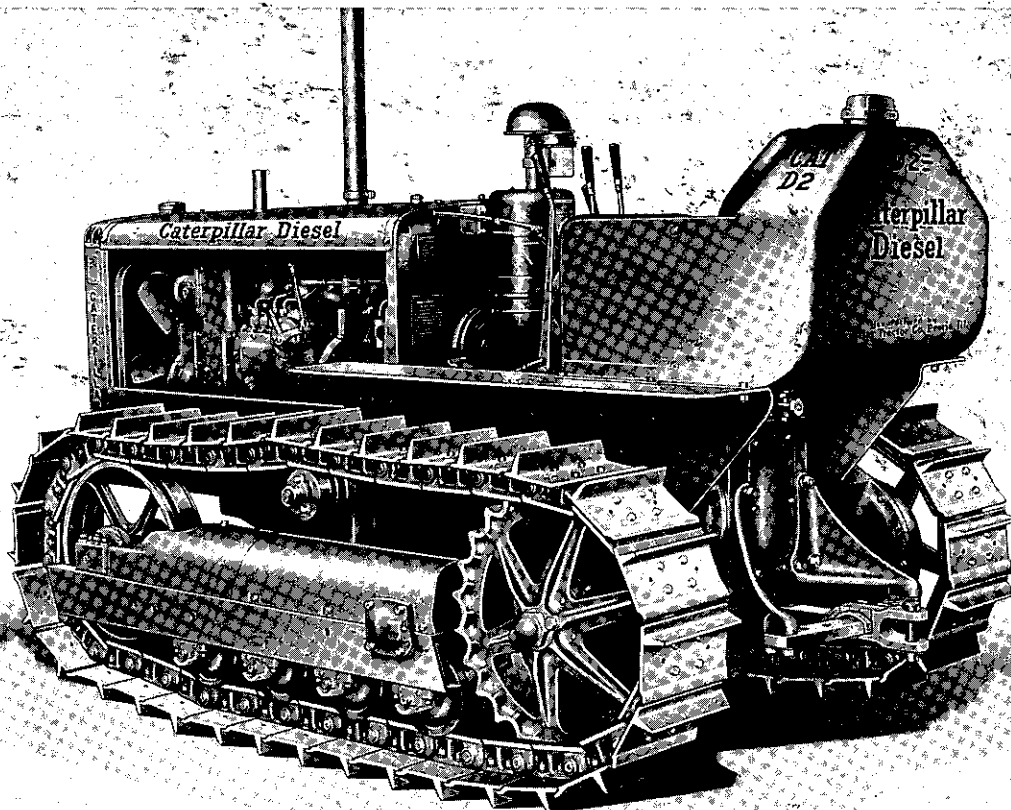
DIESEL TRACTOR

CATERPILLAR

D2

48 HP (Flywheel)

52



D2

DIESEL TRACTOR

HORSEPOWER*

Rated at sea level

Drawbar	38
Belt	43
Flywheel	48

Travel Speeds At Rated Engine RPM MPH	RPM	Standard Transmission Gear Forward	Drawbar Pull (lb.)	
			Rated	Maximum
1.8	158	1	7,250	8,120
2.7	238	2	5,200	5,820
3.2	282	3	4,220	4,730
3.9	343	4	3,430	3,840
5.5	484	5	2,230	2,500
Reverse				
2.2	194	1	6,340	7,100

Tested at Nebraska, Official Tractor Test No. 553

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

ENGINE:

Four-cycle, valve-in-head, CAT* Diesel
 Number of cylinders..... 4
 Bore and stroke..... 4" x 5"
 Piston displacement..... 252 cu. in.
 RPM—governed at full load..... 1,650
 RPM—at maximum drawbar pull (point of maximum torque) 1,000
 N.A.C.C. horsepower rating for tax purposes. 25.6
 Lubrication (Full-flow filtering)..... Full Pressure
 Crankshaft "Hi-Electro" hardened
 Bearings..... 5 main bearings aluminum alloy, precision-type
 Fuel injection system..... Caterpillar-built

FUEL: Burns 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 integral with diesel engine. 24-volt electric starting optional.

TRACK:

Number of shoes (each side)..... 32
 Width of standard track shoe..... 12"
 Height of grouser (measured from ground face of standard track shoe)..... 1 7/8"
 Length of tracks on ground (center drive sprocket to center front idler)..... 5' 1 1/8"
 Area ground contact with 12" track shoes 1,460 sq. in.

STEERING: Each track controlled by slow speed, heavy-duty, dry, multiple disc clutch and contracting brake band

Clutch friction material..... Woven asbestos
 Number of friction surfaces in each steering clutch 16

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

CAPACITIES:

U. S. Gal.

Cooling system 7 1/2
 Fuel tank 26
 Lubrication system Quarts
 Crankcase 14
 Transmission 8
 Final drive (each)..... 4 1/2

GENERAL DIMENSIONS:

Length (over-all) 8' 11 1/8"
 Height (measured from tip of grouser of standard track shoe to highest point, exclusive of exhaust pipe and precleaner) 5' 1 7/8"
 Width (over-all)
 50" gauge 5' 5 3/4"
 40" gauge 4' 7 3/4"
 Ground clearance (measured from ground face of standard track shoe to lowest point on auxiliary spring shackles)..... 9"
 Height drawbar above ground (measured from ground face of standard track shoe) 12 1/2"
 Lateral movement drawbar (measured at pin) 20"

WEIGHT:

◆ Shipping, (approx.)
 50" gauge 7,540 lb.
 40" gauge 7,340 lb.
 ◆ Operating, (approx.)
 50" gauge 7,750 lb.
 40" gauge 7,550 lb.

CATERPILLAR TRACTOR CO.
 PEORIA, ILLINOIS, U.S.A.

CATERPILLAR*

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Diesel Engines • Tractors • Motor Graders
 Earthmoving Equipment

Materials and specifications are subject to change without notice.

◆ INDICATES CHANGE FROM PREVIOUS SHEET.