

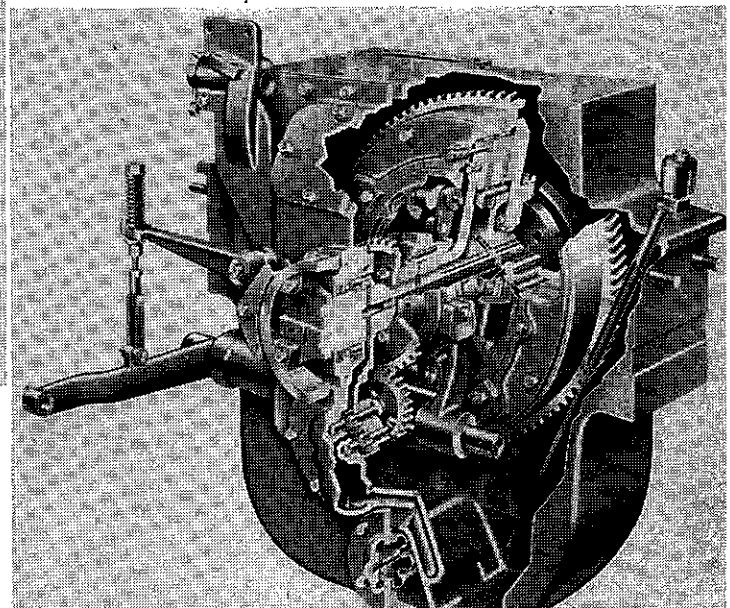
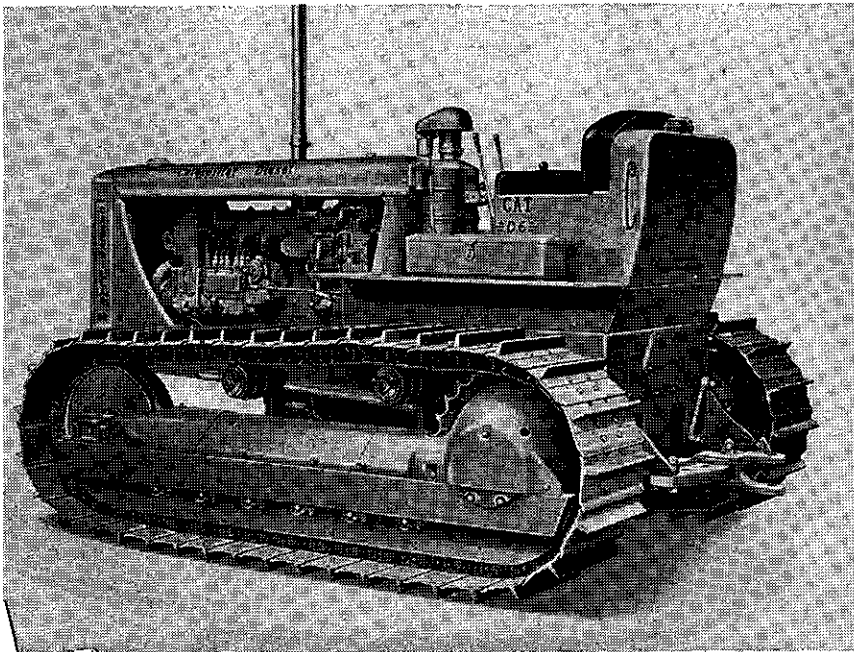
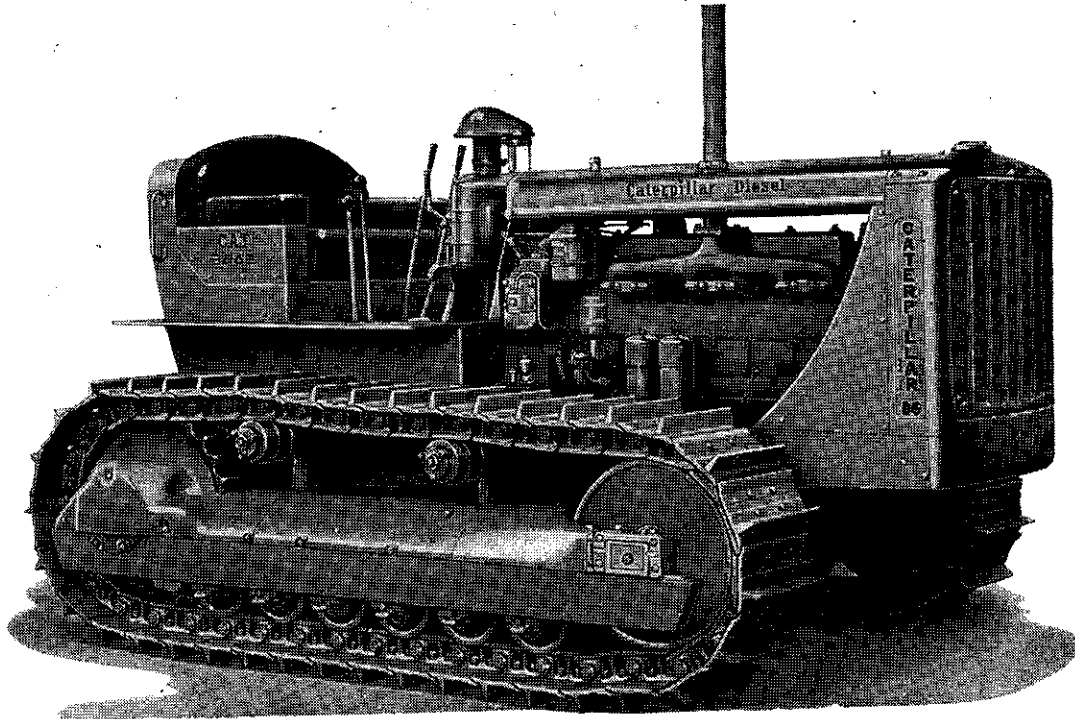
**DIESEL TRACTOR**

**CATERPILLAR**

**D6**

**85 HP (Belt)**

*94*



**EXCLUSIVE CATERPILLAR OIL CLUTCH**

Rarely requires adjustment  
Clutch plates cooled and  
lubricated with oil  
Low maintenance cost



# D6

## DIESEL TRACTOR

### HORSEPOWER:

(Rated at sea level)

Drawbar .....	75
Belt .....	85

### OPERATING PERFORMANCE DATA:

Travel Speeds At Rated Engine RPM	Standard Transmission Gear	Drawbar Pull (Lb.)	
		Rated	Rated
1.7	1	17,000	19,000
2.6	2	10,900	12,200
3.6	3	7,550	8,460
5.0	4	5,150	5,770
6.6	5	3,600	4,060
Reverse			
2.0	1	13,970	15,640
3.2	2	8,630	9,550
4.5	3	5,900	6,620
6.2	4	3,970	4,440

Tested at Nebraska, Official Tractor Test No. 555

Optional Transmission Available

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

### ENGINE:

Four stroke cycle, valve-in-head, diesel  
 Number of cylinders..... 6  
 Bore and stroke..... 4½" x 5½"  
 Piston displacement..... 525 cu. in.  
 RPM—governed at full load..... 1,600  
 RPM—at maximum drawbar pull (point of maximum torque)..... 1,000  
 N.A.C.C. horsepower rating for tax purposes. 48.6  
 Lubrication (full flow filtering).... Full pressure  
 Crankshaft..... "Hi-Electro" hardened journals  
 Bearings (precision type steel-backed aluminum alloy)..... 7 main bearings  
 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 stroke cycle gasoline engine. Cooling system integral with diesel engine. 6-volt electric starter for starting engine is available.

**CLUTCH:** Oil type, two metallic-faced plates with over-center engagement. Clutch lubricated and cooled by oil circulated under pressure. Connected to the transmission by double universal joint.

**TRANSMISSION:** Unit construction. Selective type speed change and fast forward-reverse shift.

### STEERING:

Clutches (hydraulically boosted).... Multiple disc  
 Clutch friction material..... Metallic  
 Number of friction surfaces (each clutch).... 24  
 Brakes..... Contracting band

### TRACK ROLLER FRAME:

Construction..... Reinforced box section  
 Number of rollers (each side)..... 6  
 Oscillation (inches)..... 10½"

### TRACK:

Number of shoes (each side)..... 39  
 Width of standard track shoe..... 16"  
 Height of grouser (measured from ground face of standard track shoe)..... 2½"  
 Length of tracks on ground (center drive sprocket to center front idler)..... 85¾"  
 Area ground contact with 16" track shoes..... 2,744 sq. in.

### CAPACITIES:

U. S. Gal.

Cooling system..... 14.5  
 Fuel tank..... 48  
 Lubrication system:  
 Crankcase..... 5½  
 Steering clutch hydraulic control unit..... 1½  
 Transmission..... 10½  
 Flywheel clutch..... 2¼  
 Final drive:  
 74" gauge..... 3¼  
 60" gauge..... 2¾

### GENERAL DIMENSIONS:

Length (overall)..... 12' 3⅞"  
 Height (measured from tip of grouser of standard track shoe to highest point exclusive of exhaust pipe and precleaner) 6' 3⅞"  
 Width (overall)  
 74" gauge..... 7' 11½"  
 60" gauge..... 6' 7½"  
 Ground clearance (measured from ground face of standard track shoe to lowest point on auxiliary spring shackles)..... 12½"  
 Height drawbar above ground (measured from ground face of standard track shoe) ... 14"  
 Lateral movement drawbar (measured at pin)..... 27¼"

### WEIGHT:

Shipping, lb., (approx.)  
 74" gauge..... 17,565  
 60" gauge..... 17,195  
 Operating, lb., (approx.)  
 74" gauge..... 17,780  
 60" gauge..... 17,340

## CATERPILLAR\*

\*Caterpillar and Cat are Registered Trademarks of Caterpillar Tractor Co.

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

Diesel Engines • Tractors • Motor Graders  
Earthmoving Equipment

Materials and specifications are subject to change without notice.