

DIESEL TRACTOR

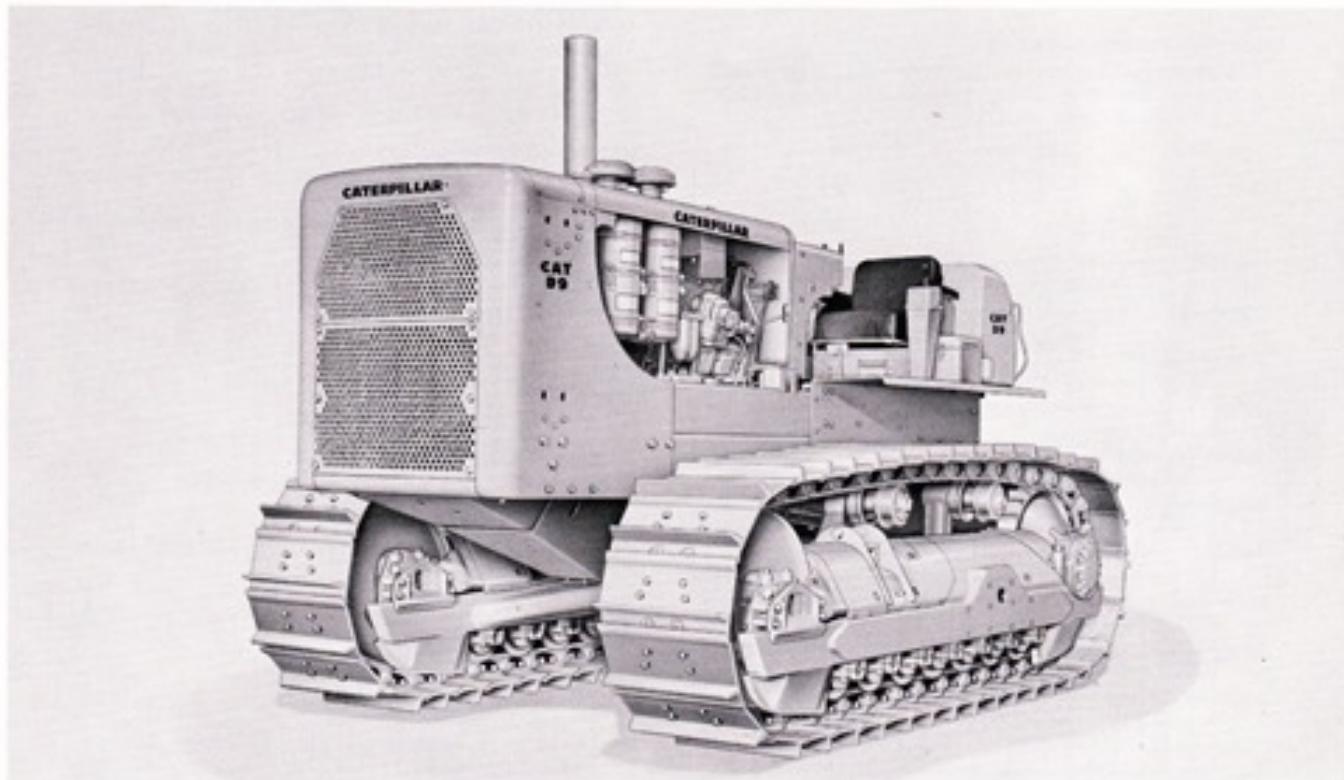
Power shift

CATERPILLAR

D9

335 HP (Flywheel)

Series E

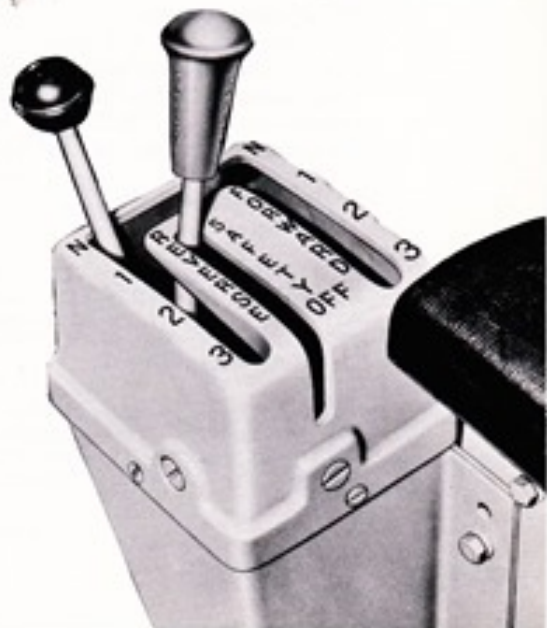


- **DEPENDABLE CAT DIESEL ENGINE**
- **UNEQUALED OPERATOR CONVENIENCES**
- **POWER SHIFT TRANSMISSION WITH SOLID FEEL OF DIRECT DRIVE . . .**
- **RUGGED, LONG-LIVED UNDERCARRIAGE**
- **FLEXIBILITY OF TORQUE CONVERTER.**

POWER SHIFT TRANSMISSION: Two principal elements designed for easy servicing with double universal joint connection.

One component consists of a planetary gear set and torque converter. This exclusive feature provides the desirable characteristics of both direct and torque converter drives.

The other component is a transmission unit set that permits smooth, instant, full torque shifting of forward and reverse speeds. Finger-tip selection. Shifting is done by hydraulically actuated clutches controlling planetary gear sets. Oil is filtered, cooled and delivered under pressure for lubrication and hydraulic operation.



D9

DIESEL TRACTOR

Power shift

VERT. VOOR NEDERLAND
GEVEKE-AMSTERDAM

Series E

HORSEPOWER:

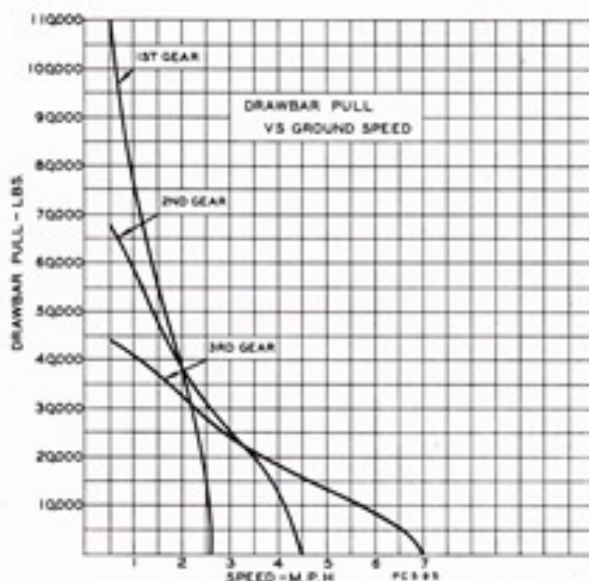
(Rated at sea level)

Engine HP at Flywheel..... 335

OPERATING PERFORMANCE DATA:

Drawbar pull — The torque converter will automatically adjust drawbar pull to the load within the following speed ranges.

Gear	Forward	Reverse
1	0-2.6	0-3.1
2	0-4.5	0-5.3
3	0-7.0	0-8.3



The maximum pull will depend on traction and weight of fully equipped tractor.

ENGINE:

Four-cycle, valve-in-head, turbocharged, diesel
 Number of cylinders..... 6
 Bore and stroke..... 6 1/4" x 8"
 Piston displacement..... 1473 cu. in.
 RPM—governed at full load..... 1280
 N.A.C.C. horsepower rating for tax purposes. 93.6
 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
 Air cleaners..... 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: In-seat starting with independent two-cylinder, four-cycle gasoline engine. Cooling and lubricating systems common with diesel engine. 12-volt electric starter for starting engine.

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.

FINAL DRIVE: Filtered, full pressure lubrication.

STEERING:

Clutches..... Multiple disc
 Clutch friction material..... Metallic
 Number of friction surfaces (each clutch)..... 32
 Clutch inner drum teeth..... Helical
 Brakes (air-cooled)..... Contracting band
 Clutch release and brake control..... Hydraulic booster

TRACK ROLLER FRAME:

Construction..... Reinforced box section
 Number of rollers (each side)..... 7
 Idlers..... Adjustable two position
 Oscillation..... 21 1/4"
 Track rollers, carrier rollers, idlers..... Lifetime lubricated
 Includes track guiding guards

TRACK:

Adjustment..... Hydraulic
 Number of shoes (each side)..... 38
 Width of standard track shoe..... 24"
 Height of grouser (measured from lower face of standard track shoe)..... 3 1/4"
 Length of tracks on ground (center drive sprocket to center front idler)..... 129%
 Area ground contact with 24" track shoes..... 6222 sq. in.

CAPACITIES:

U. S. Gal.

Cooling system..... 36%
 Fuel tank..... 160
 Lubrication system:
 Crankcase (includes 2 1/2 qts. for starting engine)..... 12 1/2
 Transmission..... 16
 Bevel gear compartment..... 7 1/2
 Final drive (each)..... 13 1/2
 Recoil spring housing (each)..... 8
 Steering clutch and brake hydraulic booster..... 4%

GENERAL DIMENSIONS:

Gauge..... 90"
 Length (over-all)..... 18' 3/4"
 Height (measured from tip of grouser of standard track shoe to highest point, exclusive of exhaust and precleaner)..... 8' 10 3/8"
 Width (over-all)..... 9' 11 1/4"
 Height drawbar above ground (measured from lower face of standard track shoe)..... 22 1/2"
 Ground clearance (measured from lower face of standard track shoe to lowest point of bevel gear case)..... 21 1/4"

WEIGHT:

Shipping (approx.)..... 59,837 lb.
 Operating (approx.)..... 61,272 lb.

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CATERPILLAR

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Earthmoving Equipment

Materials and specifications are subject to change without notice.