

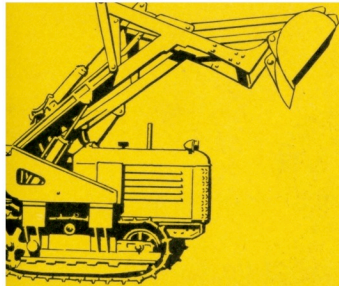
OLIVER

MODEL "D" CRAWLER TRACTORS



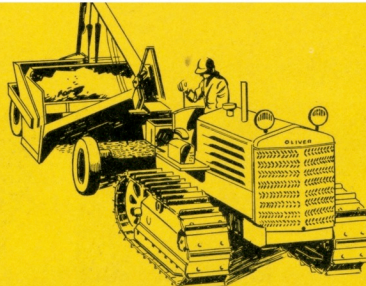
THE
OLIVER
CORPORATION

"FINEST IN INDUSTRIAL MACHINERY"



Model "D" with Drott Hi-Lift Loader

—for those big loading jobs you want done fast. All Oliver allied equipment is easy to attach, simple to operate.

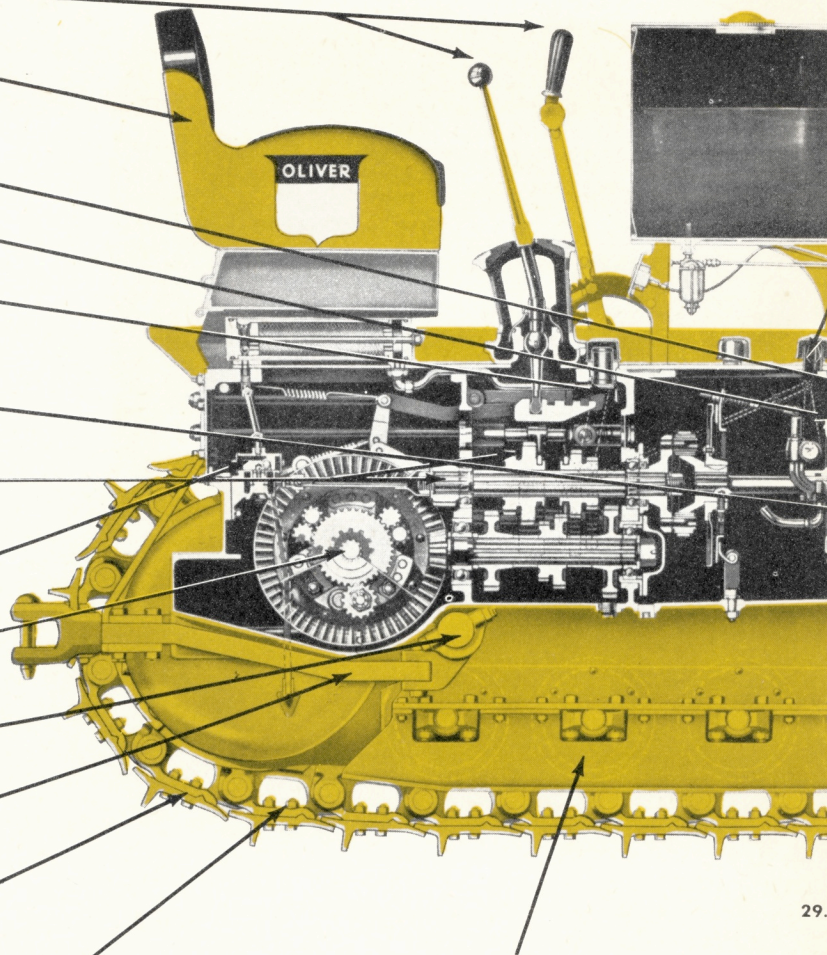


Model "D" with Scraper

—a durable team for low-cost grading work and maintenance of gravel roads.

STRENGTH...RUGGEDNESS

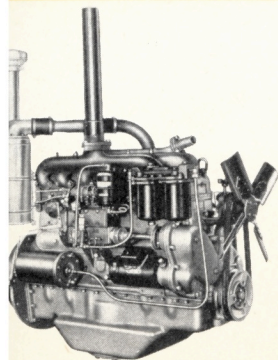
1. All controls within safe, easy reach.
2. Comfortable leather seat and back rest. Deep, wide cushions. Full-padded, heavy coil spring construction.
3. H-section connecting rods—drop-forged and heat-treated.
4. Easy-to-adjust, foot-operated double-disc clutch with four wearing surfaces.
5. Transmission discharge line from oil pump provides constant flow of oil over transmission gears.
6. Replaceable, precision shell-type rod and main bearings. Babbit-lined, brass-backed bearings in Model "DG". Hi-lead bronze-lined, steel-backed bearings in Model "DD".
7. Heat-treated, accurately machined transmission gears, supported by heavy-duty antifriction bearings.
8. Reliable, shaft-driven oil pump brings lubricant from oil-level point in bull gear housing, insures constant delivery to every moving part.
9. Exclusive Oliver steering principle transmits power through both tracks at all times.
10. Heat-treated alloy steel track frame shaft connects track frames and carries tractor and equipment load. Avoids pulls and strains on transmission case.
11. Low-mounted, free-swinging drawbar passes under transmission case, fastens to track frame shaft. Forward mounting holds tractor to the job.
12. Full selection of grousers in various widths for all sorts of ground conditions and traction requirements.



27. Track links have precision-machined, induction-hardened alloy steel rails

28. Heat-treated track wheels with double Dirt-Oil Seal that keeps dust and water out and the lubricant in.

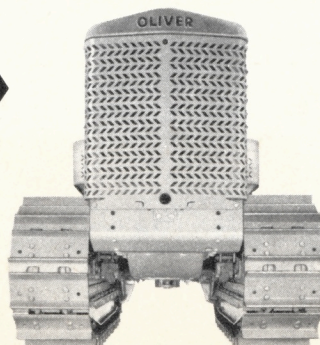
HUSKY DIESEL ENGINE



STANDARD MODEL—WITH
48-INCH TRACK CENTERS

DIESEL

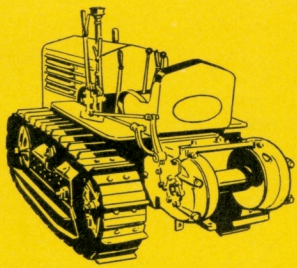
6 CYLINDERS—DELIVERS
60.47 H.P. AT THE DRAWBAR



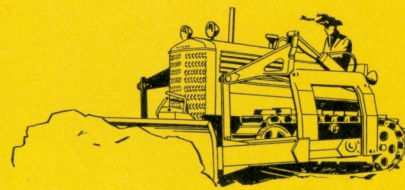
THE OLIVER

WIDE GAUGE
61-INCH

OLI
CORP

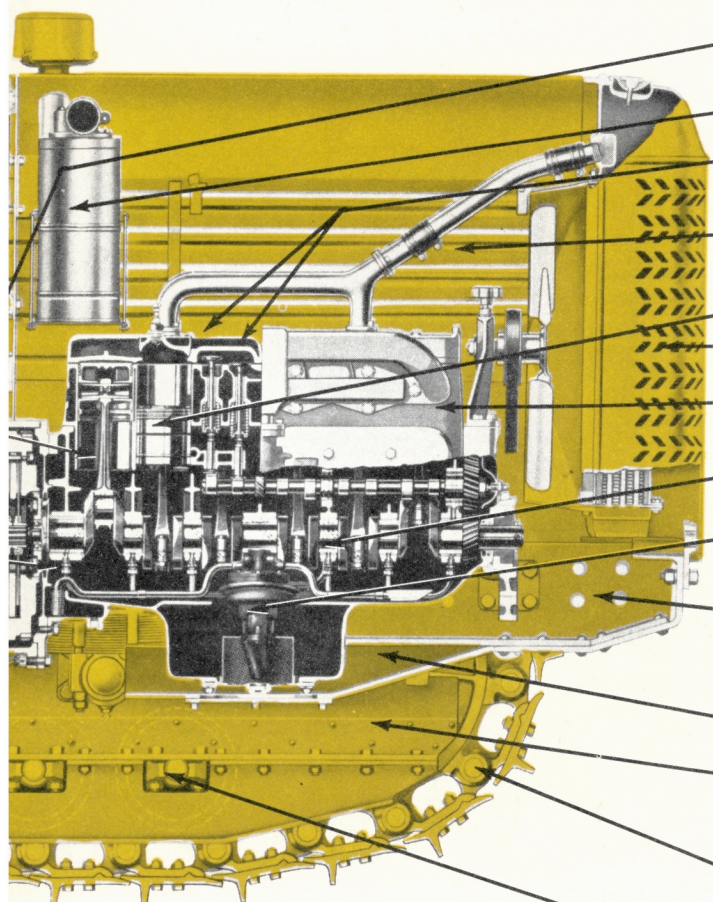


Model "D" with Carco Winch
—a rugged, dependable combination for every type of winch work. Widely used in logging operations. Simple, easy controls.



Model "D" with Bulldozer
—an efficient earth-moving combination. Plenty of power, yet light on its feet and economical to operate.

..ECONOMY...LONG LIFE

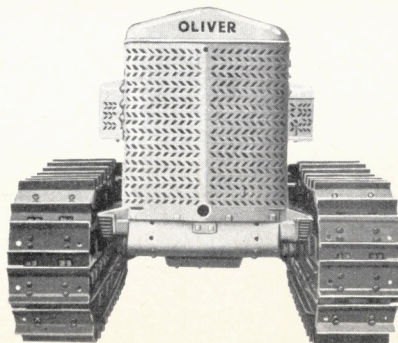


13. Clutch compartment air filter and breather cools clutch and increases service life.
14. Large oil-bath air cleaner.
15. Alloy silichrome nickel steel exhaust valves and forged, alloy chrome nickel steel intake valves. Removable guides.
16. Durable steel hood panels.
17. Balanced, electro-hardened lightweight aluminum alloy pistons.
18. Heavy steel plate radiator guard.
19. One-piece, rib reinforced engine block.
20. Drop-forged, heat-treated crankshaft—dynamically and statically balanced and rifle-drilled.
21. Dependable, instant priming, force feed gear-driven oil pump with front and rear scavenger lines for positive lubrication when tractor is operating up and down hill.
22. Rugged channel main frame extends the full length of the clutch and transmission compartments, holds engine and transmission in perfect alignment.
23. Strong steel plate removable crankcase guard.
24. Welded, heavy plate steel track frame with a tubular brace and four cross members to provide strength and rigidity. Easily accessible, pre-compressed spring, fully enclosed in frame, keeps track in proper adjustment and absorbs shocks.
25. Rollers and bushings are carburized and heat-treated. Pins are Tocco-hardened.
26. Carburized, selected, hardened steel track wheel shafts, rifle-drilled and surface-milled for full lubrication. Replaceable, special alloy bronze bushings.

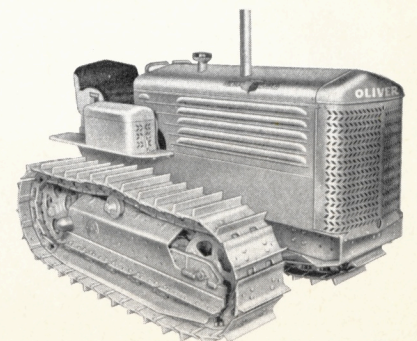
ooling system thermostatically controlled. Positive drive, impeller-type, large-capacity water pump.

30. Longitudinal, tapered springs located on each side of the frame move freely in hanger brackets to help cushion the effects of strains and twists.

TWO TRACTOR WIDTHS



NEW AIR STEERING— available on Oliver Model "D" Diesel Tractors, makes life easy for the operator. Two conveniently located steering levers operate at the touch of a finger . . . assure instant, positive steering control . . . cut down operator fatigue.



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E MODEL—WITH
RACK CENTERS

Specifications for OLIVER Model "D"

Industrial Crawler Tractor

Diesel—Hillside and Standard* Models

HORSEPOWER AND DRAWBAR PULL

Maximum h.p. corrected to 29.92 in. mercury barometric pressure (sea level) and 60 f, per Nebraska Test No. 436.

Drawbar h.p.	60.67
Belt h.p.	71.40
N.A.C.C. rating for tax purposes	51.34

Drawbar pull—pounds

First	14,735
Second	9,632
Third	7,277
High	3,978

SPEEDS

First	1.42
Second	2.26
Third	3.03
High	4.85
Reverse—low	2.02
Reverse—high	3.64

Ratio of engine to sprocket r.p.m.

First	50.9
Second	37.6
Third	28.3
High	17.7

ENGINE

Number cylinders	6
Bore and stroke (in.)	4 $\frac{3}{8}$ x 5 $\frac{1}{4}$
Piston displacement (cu. in.)	474
Piston displacement per minute (c.f.m.)	329
Diameter of crankshaft (in.)	3 $\frac{1}{2}$
Number of main bearings	7
Crankcase oil capacity (gal.)	4
Cooling system capacity (gal.)	10 $\frac{1}{2}$
Fan diameter (in.)	22
Fuel	Standard diesel fuel
Fuel tank capacity (gal.)	30
Air cleaner	Oil bath
Governor	Centrifugal—variable speed

STARTING

Electric starter and battery are regular equipment.
No gasoline engine or auxiliary starter is used.

TRANSMISSION, CLUTCH, AND STEERING

Clutch diameter (in.)	11 (Double plate)
Transmission case oil capacity (gal.)	13
Transmission oil pump	Plunger type
Steering band width (in.)	3
Steering bands, total area (sq. in.)	245 $\frac{1}{4}$

TRACK AND TRACK FRAME

Diameter of track frame shaft (in.)	3 $\frac{1}{8}$
Length of track frame shaft (in.)	80 $\frac{3}{4}$
Size track frame bushings—2 each frame (in.)	3 $\frac{1}{8}$ x 4 $\frac{1}{2}$
No. lower track wheels—each frame	5
Track shoe length—center to center of pins (in.)	7 $\frac{1}{4}$
Track shoe width—plate & grouser integral (in.)	16
Special wide grousers available (in.)	18, 20, 24
Length of track on ground (in.)	74 $\frac{3}{4}$
Total ground contact area (sq. in.)	3392
Size grouser bolts—4 bolts per rail (in.)	$\frac{5}{8}$
Size track pin (in.)	1 $\frac{1}{2}$ x 9 $\frac{5}{8}$
Size track bushing (in.)	2 $\frac{1}{8}$ x 6 $\frac{1}{16}$
Number of shoes per track	31

DIMENSIONS

Length overall (in.)	128
Width overall (in.)	82
Height of hood (in.)	67
Ground clearance with grousers (in.)	12 $\frac{1}{4}$
Center to center of tracks—gauge (in.)	61

DRAWBAR

Height above grouser tip (in.)	17 $\frac{1}{4}$
Width of drawbar clevis opening (in.)	2 $\frac{1}{2}$
Lateral movement right and left of center (in.)	8 $\frac{3}{16}$
Diameter drawbar pin (in.)	1 $\frac{1}{8}$

WEIGHT

Shipping—approx. (lb.)	13,511
Operating—approx. (lb.)	14,073
Ground pressure (p.s.i.)	5.88

POWER PULLEY (Special equipment)

Diameter (in.)	13
Face width (in.)	11
Belt speed (f.p.m.)	3000 at 884 r.p.m.

REAR P.T.O. (Special Equipment)

r.p.m.: Regular	884
Reduction	510
Size	1 $\frac{3}{8}$ " 6B Spline

*STANDARD MODEL

Same specifications as Hillside Model, except as follows:

Center to center of tracks—gauge (in.)	48
Length of track frame shaft (in.)	67 $\frac{3}{4}$
Width overall (in.)	69
Weight: Shipping—Approx. (lb.)	13,206
Operating—Approx. (lb.)	13,708
Ground pressure (p.s.i.)	5.74