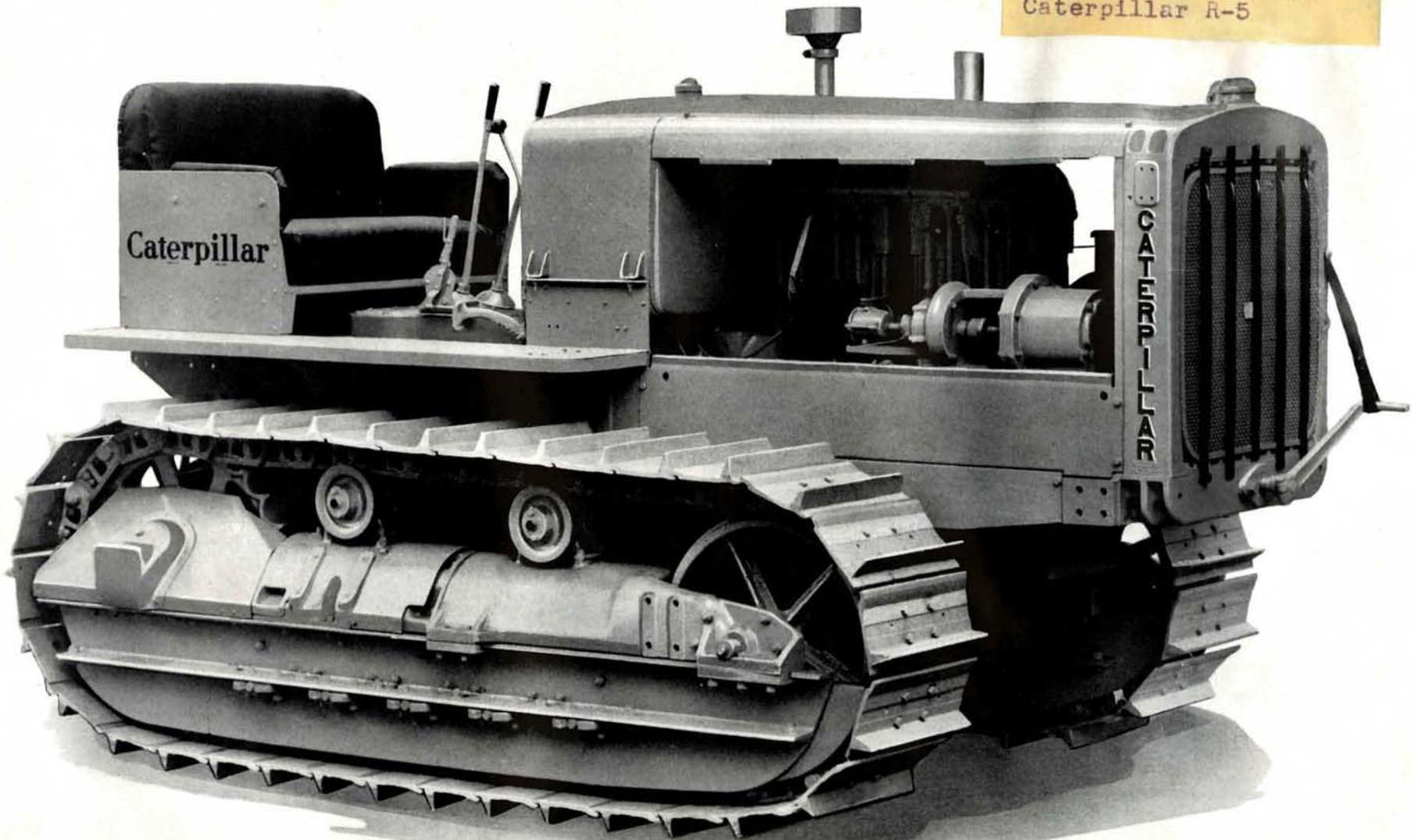


Exhibit "G"
University of Nebraska
Application for Test
Caterpillar R-5



"Caterpillar" 50 Drawbar Horsepower Tractor

[SPECIFICATIONS ON OTHER SIDE]

Specifications of "Caterpillar" 50 Drawbar Horsepower Tractor

CAPACITY, maximum at sea level -
(These values are computed from maximum load test data obtained with dynamometer equipment of Caterpillar Tractor Co. Corrections to sea level barometric pressure and the standard temperature of 60°F. are calculated as outlined in the A.S.A.E. and S.A.E. test code.)

Drawbar horsepower	50
Belt horsepower	58
Speeds in M. P. H. at full load governed engine R. P. M.:	
First	1.9
Second	2.8
Third	3.6
Fourth	5.1
Reverse	2.1
Engine—four-cylinder, four-cycle, water-cooled:	
Bore and stroke, in inches	5 $\frac{1}{2}$ x6 $\frac{1}{4}$
R. P. M.—governed at full load	950
R. P. M. at maximum drawbar pull (point of maximum torque)	600
Piston speed, in F. P. M.	1029
Displacement, cu. in.	618
N. A. C. C. horsepower rating for tax purposes	48.4
Lubrication	Force Feed
Crank Shaft:	
Number of main bearings	3
Diameter, main bearings, in inches	3
Total area main bearing surface, in square inches	84.8
Fuel	Gasoline*
Length of tracks on ground (center drive sprocket to center front idler), in inches	71 $\frac{3}{8}$
Area ground contact (with standard track shoes), in square inches	2,284

Over-all:	
Length, in inches	139 $\frac{3}{8}$
Height (measured from tip of grouser of standard track shoe to highest point, exclusive of exhaust and intake pipe) in inches	69 $\frac{1}{4}$
Width, in inches	72 $\frac{1}{2}$
Ground clearance (measured from lower face of standard track shoe), in inches	9 $\frac{3}{4}$
Height, drawbar above ground (measured from lower face of standard track shoe), in inches	12 $\frac{9}{16}$
Lateral movement drawbar (measured at pin), in inches	28 $\frac{1}{4}$
Track:	
Width of standard track shoe, in inches	16
Height of grouser (measured from upper face of standard track shoe), in inches	2
Diameter of track shoe bolts, in inches	$\frac{1}{2}$
Diameter of track pins, in inches	1 $\frac{5}{16}$
Diameter of track pin bushings, in inches	2
Steering	
Plates in each steering clutch:	
Number	16
Friction area each plate, in sq. inches	52
Total friction surface, in sq. inches	832
Transmission	
Capacities:	
Cooling system, in U.S. Standard gallons	9 $\frac{1}{4}$
Lubricating system:	
Crank case, in quarts	14
Transmission case, in quarts	20
Final drive case (each), in quarts	10
Fuel tank, in U. S. Standard gallons	50
Weight, shipping (approximate), in pounds	

*Information regarding low volatility fuels on request.

†Each track controlled by slow speed, heavy duty, dry multiple disk clutch and contracting band brake.

‡Power transmitted through dry type flywheel clutch to selective type change speed gear set.

CATERPILLAR TRACTOR CO.

PEORIA, ILLINOIS, U. S. A.

Track-type Tractors » Combines » Road Machinery

THERE IS A "CATERPILLAR" DEALER NEAR YOU