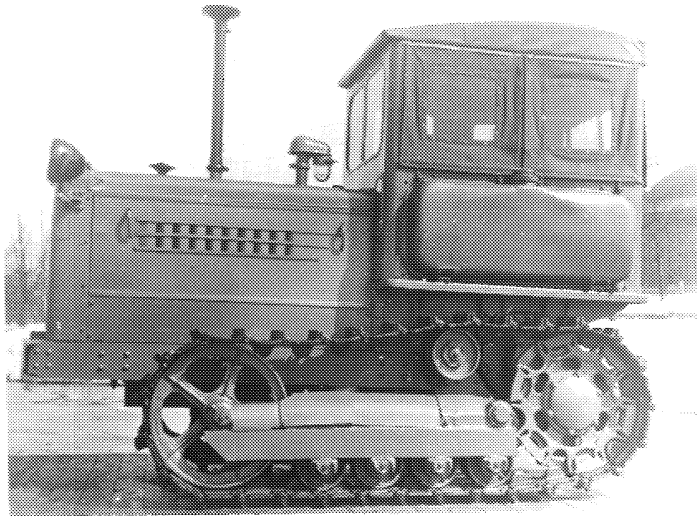
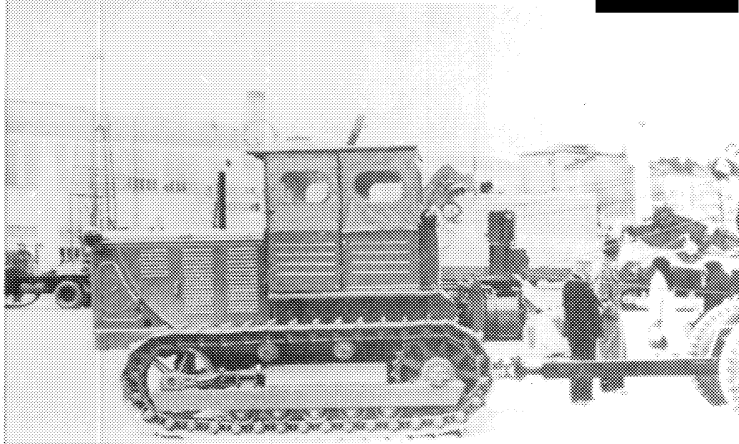


1951 SOVIET INDUSTRIAL TRADE FAIR AT HELSINKI, FINLAND. APRIL 1951. USSR IN THE EASTERN HEMISPHERE.



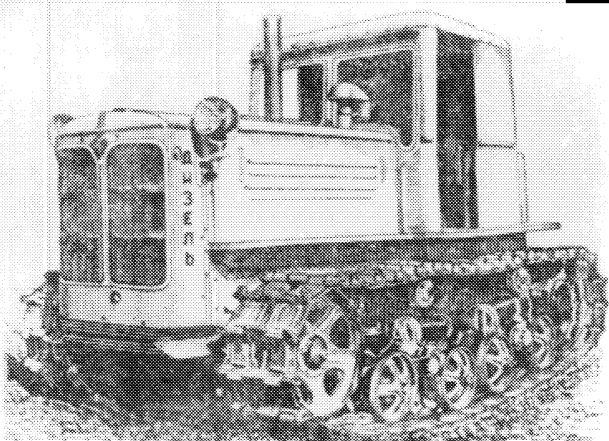
N USSR
B-50 TRACTOR EQUIPPED FOR TOWING D-213 SCRAPER EXHIBITED AT
1951 SOVIET INDUSTRIAL TRADE FAIR AT HELSINKI, FINLAND.
JUNE 1951.

25X1A



N USSR
DIESEL TRACTOR, "DT-54". MANUFACTURED AT ALTAY TRACTOR PLANT
IN RUBTSOVSK. TRAKTOR "SK H ATZ-NATI", MOSCOW, 1950.

25X1A



CONFIDENTIAL

SECRET

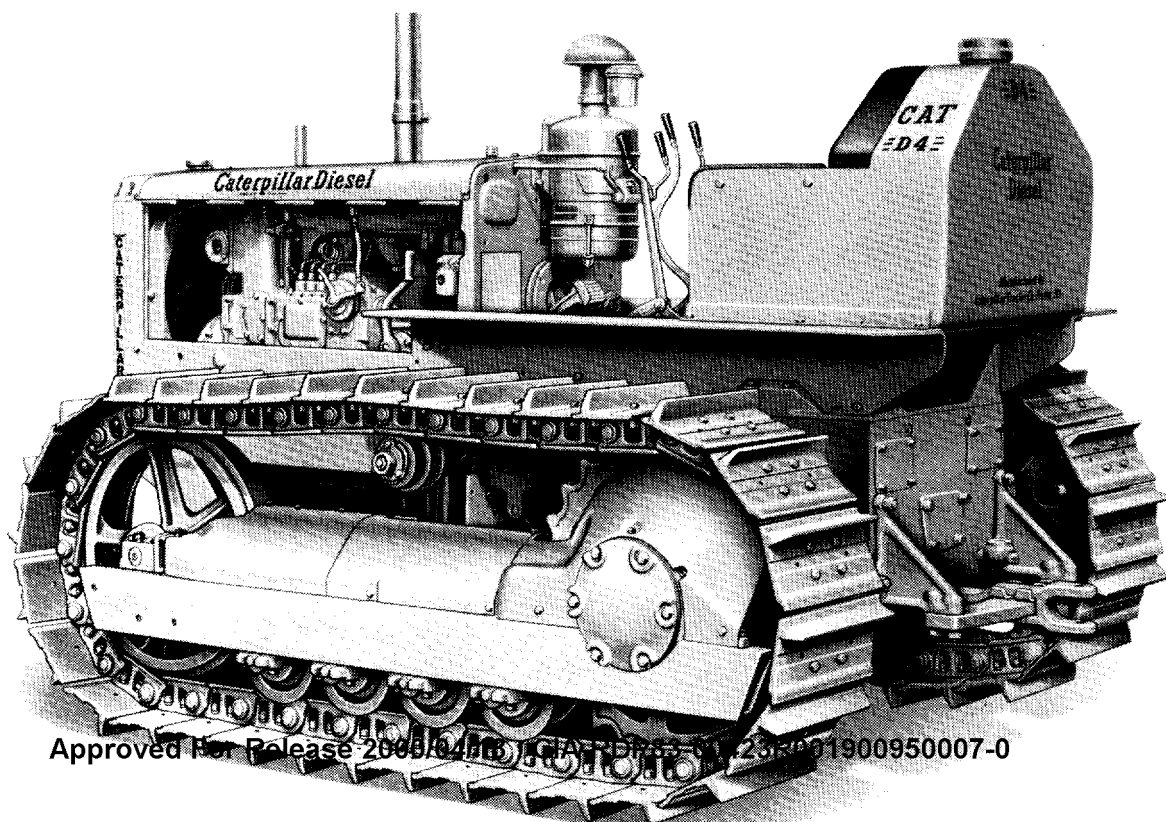
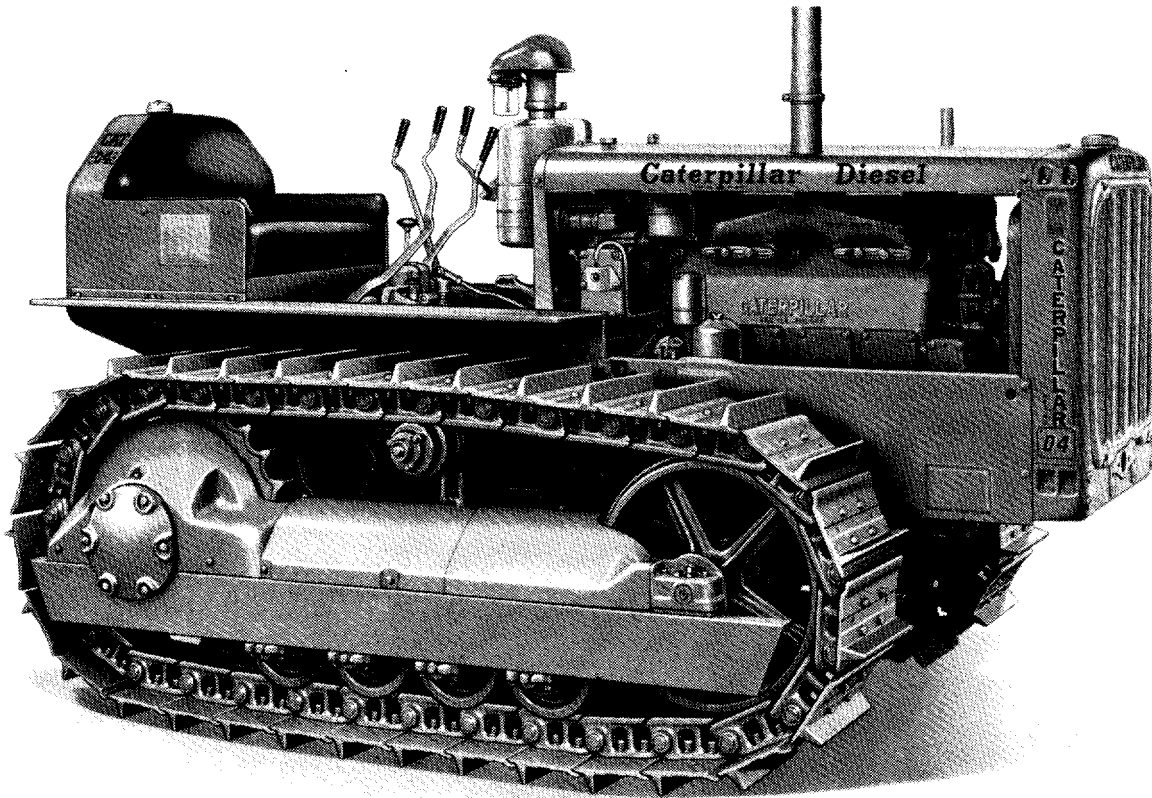
UPGRADED TO CONFIDENTIAL

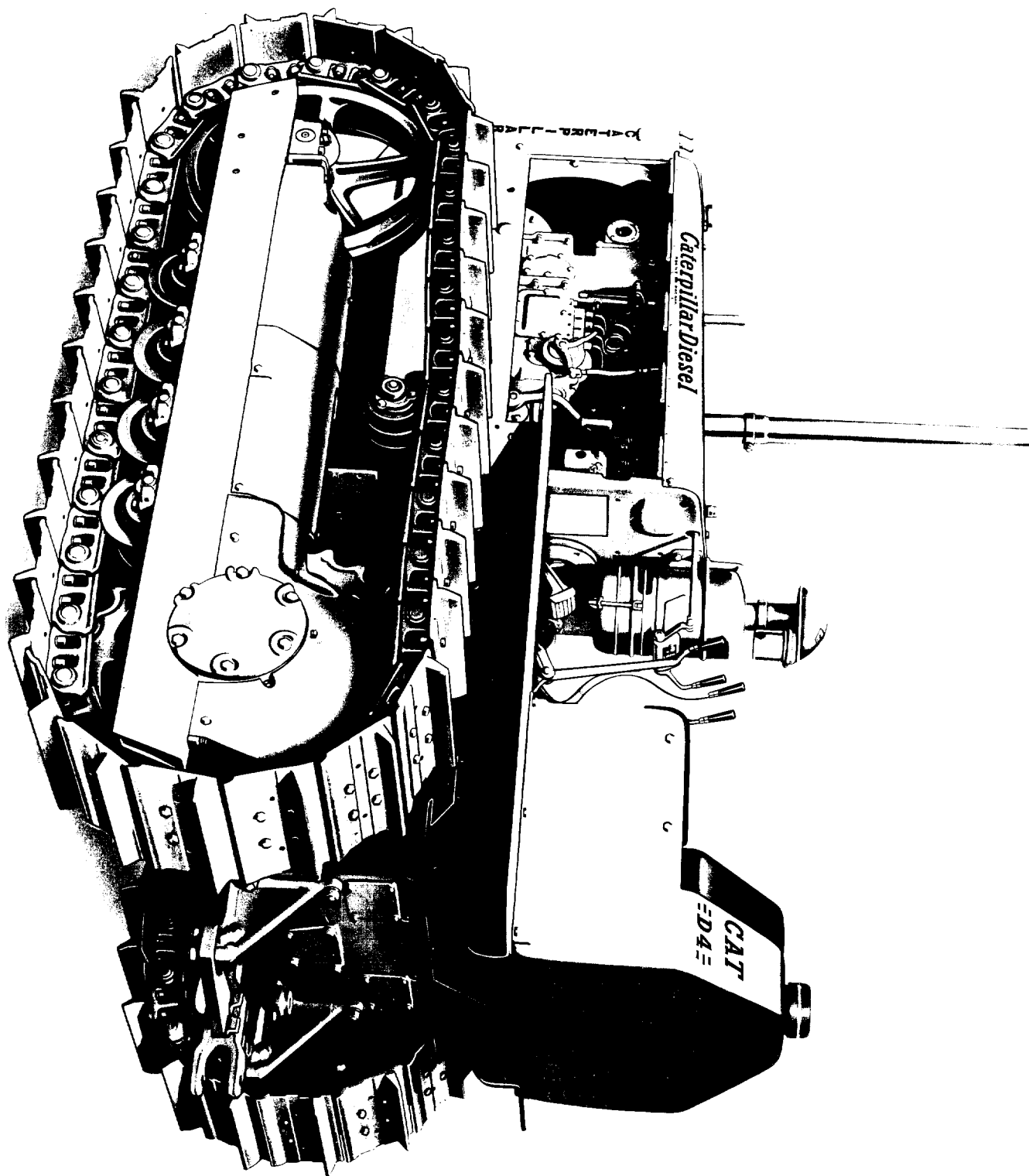
DIESEL TRACTOR

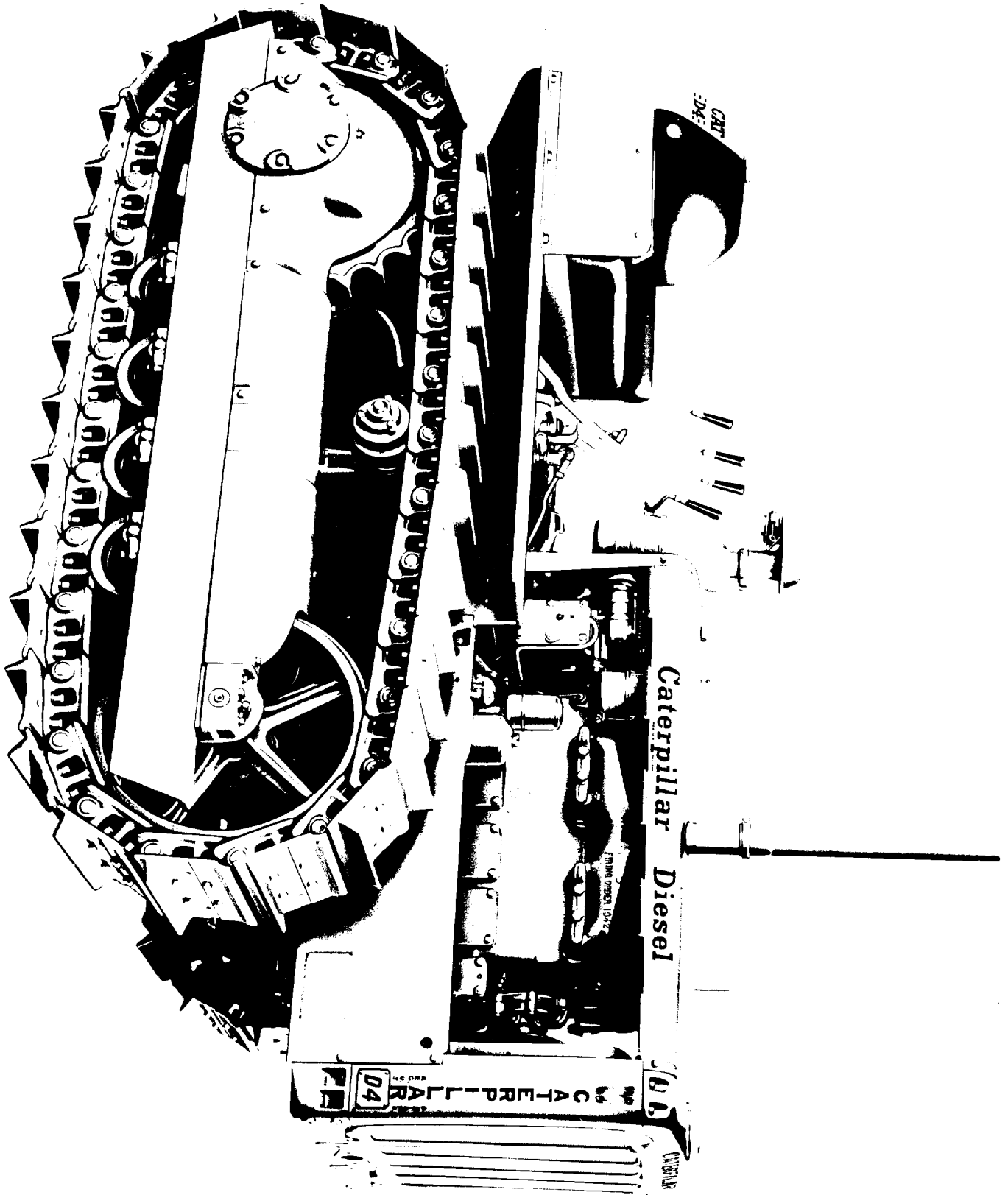
CATERPILLAR

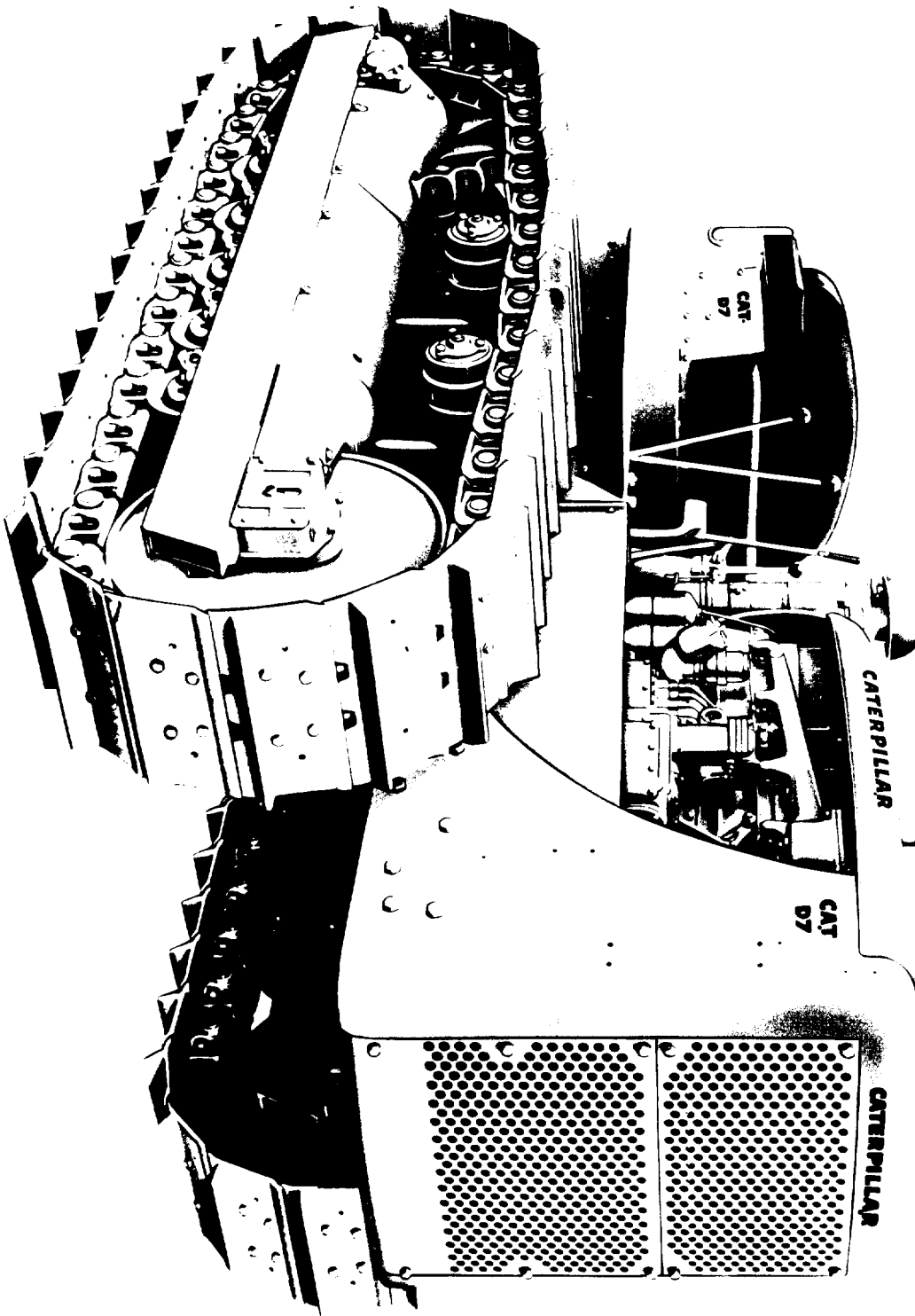
D4

54 HP (Belt)









16-22

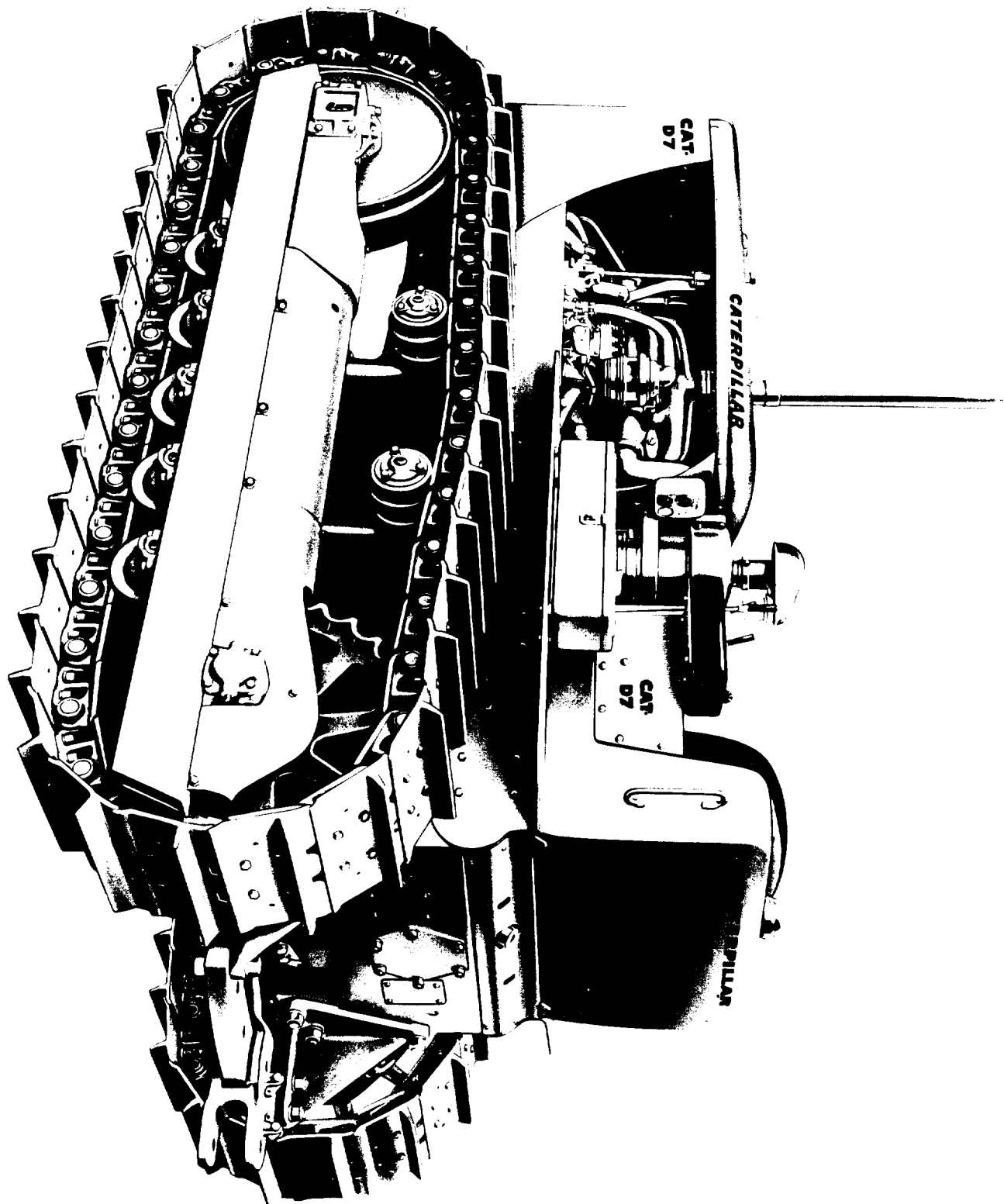
117-1071-1
CATERPILLAR TRACTOR CO
PEORIA, ILL.

PHOTOGRAPHER _____
DATE TAKEN _____
MODEL _____
FILE CLASS _____
OWNER _____
DESCRIPTION OF WORK

NEW MORE POWERFUL

CATERPILLAR D7 TRACTOR

OUR NEGATIVE NO. _____



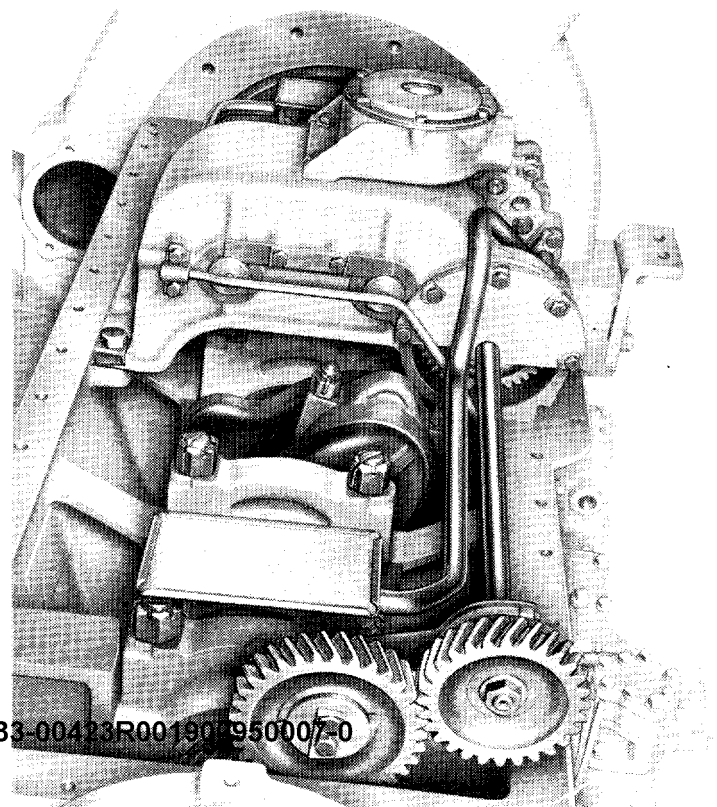
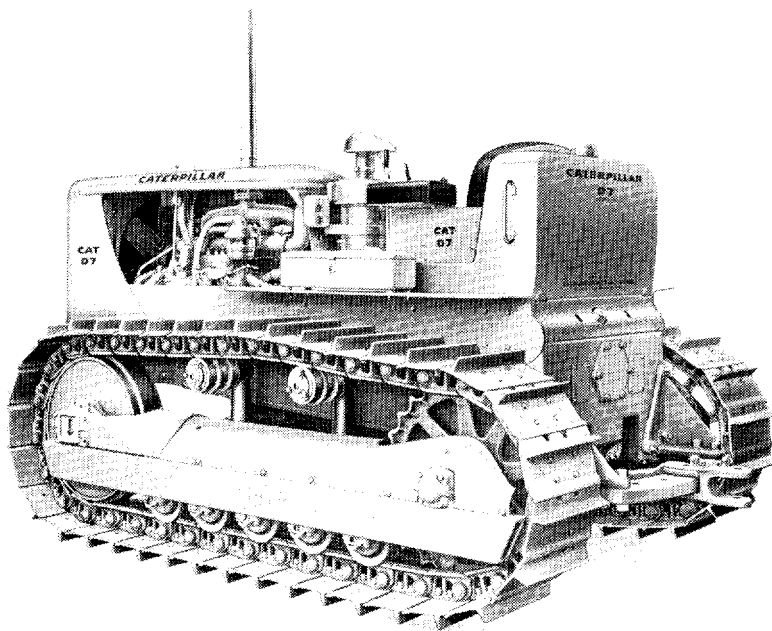
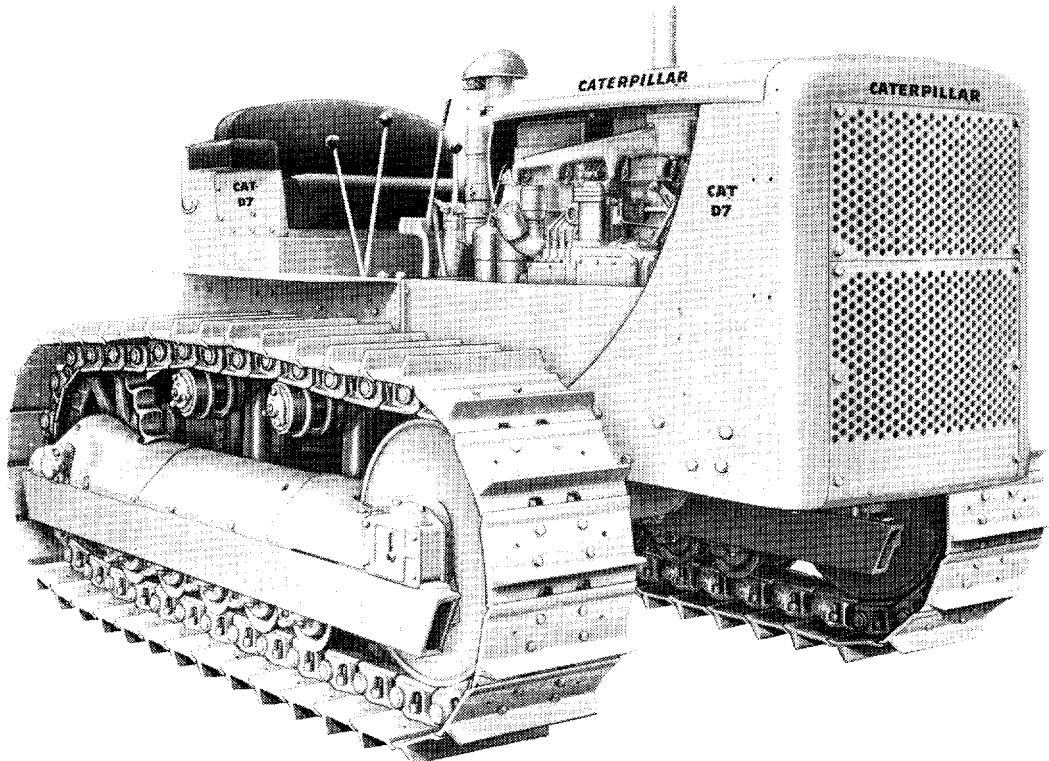
10000

DIESEL TRACTOR
Series C

CATERPILLAR

D7

128 HP (Flywheel)



RUGGED NEW GEAR-TYPE BALANCER gives six-cylinder smoothness to the D7 engine.

D7

DIESEL TRACTOR
Series C

HORSEPOWER:

Drawbar at sea level..... 102

DRAWBAR PULL (Lb.) AT SEA LEVEL:

First 25,900
Second 17,720
Third 11,960
Fourth 7,550
Fifth 5,280

The following calculated values for the maximum drawbar pounds pull are based on the drawbar pulls shown above. When slowed down by overload Caterpillar Engines develop a considerably greater turning effort at the flywheel (torque) which results in greater drawbar pull at reduced speed.

First..... 28,700*
Second 19,640
Third 13,250
Fourth 8,370
Fifth 5,850

*Maximum pounds pull are available with adequate weight and traction.

TRAVEL SPEED AT RATED ENGINE RPM:

| | MPH | FPM |
|--------------|-----|-----|
| Forward | | |
| First | 1.5 | 132 |
| Second | 2.2 | 194 |
| Third | 3.2 | 282 |
| Fourth | 4.6 | 405 |
| Fifth | 5.9 | 519 |
| Reverse | | |
| First | 1.8 | 158 |
| Second | 2.6 | 229 |
| Third | 3.8 | 334 |
| Fourth | 5.4 | 475 |

(Optional transmission available)

ENGINE:

Four stroke cycle, valve-in-head, diesel
Horsepower available at flywheel
at sea level..... 128 @ 1200 RPM
Number of cylinders..... 4
Bore and stroke..... 5¾" x 8"
Piston displacement..... 831 cu. in.
RPM—Governed at full load..... 1200
RPM—At maximum drawbar pull
(point of maximum torque)..... 800
N.A.C.C. horsepower rating for tax purposes 52.90
Lubrication Full pressure
Crankshaft..... "Hi-Electro" hardened journals
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 is Not required.

STARTING METHOD: Independent two cylinder, four stroke cycle gasoline engine with magneto and gear drive. Cooling system integral with diesel engine.

TRACK:

Gauge 74"
Number of shoes (each side)..... 37
Width of standard track shoe..... 20"
Height of grouser (measured from upper face of standard track shoe)..... 2¾"
Length of tracks on ground (center drive sprocket to center front idler)..... 94¾"
Area ground contact with 20" track shoes..... 3,775 sq. in.

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

Clutch friction material.....Metallic
Number of friction surfaces in each steering clutch 20
Clutch release.....Hydraulic booster

TRANSMISSION: Selective type speed change.

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.

CAPACITIES:

U. S. Gal.

Cooling system 17
Fuel tank 85
Steering clutch hydraulic steering unit..... 1½
Lubrication system
 Crankcase 5½
 Transmission 10¾
 Flywheel clutch 4¼
 Final drive (each)..... 5¾

GENERAL DIMENSIONS:

Length (overall) 13' 11½"
Height (measured from tip of grouser of standard track shoe to highest point, exclusive of exhaust pipe and precleaner) 6' 9¼"
Width (overall) 8' 1"
Drawbar height 1' 5¼"
Ground clearance (measured from lower face of standard track shoe)..... 1' 3½"

WEIGHT:

Dry weight, lb. (approx.)..... 25,970
Operating, lb. (approx.)..... 26,930

CATERPILLAR

Registered Trademark—®

Diesel Engines • Tractors • Motor Graders
Earthmoving Equipment

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

Materials and specifications are subject to change without notice.

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ROUTING AND CONTROL RECORD

DO NOT DETACH FROM 'ON LOAN' DOCUMENTS

25 May 1955

DATE

TO: Graphics Register

ATTN: [REDACTED] 25X1A

BUILDING [REDACTED] ROOM NO.

TITLE
Photos of Caterpillar Tractors
[REDACTED] 25X1A2g

REMARKS

RETAIN ON LOAN
DOCUMENT(S) MUST BE RETURNED TO [REDACTED] 25X1A
BY (DEADLINE) [REDACTED]

FROM: [REDACTED] 25X1A
BUILDING Quarters Eye ROOM NO. 1808 EXTENSION 2576

SECRET

FORM NO. 57-29
DEC 1951

~~CONFIDENTIAL~~

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(20-40)