D4 SERIES C vs. D4 (7U) SKIDDING LOGS



DATE 12-15-60

D4 SERIES C PRODUCES 33.3 % MORE THAN 7U D4 AT 18.5 % LESS COST

JOB:

Arch skidding tree-length logs for 1/4 mile

LOCATION:

New Bern, North Carolina

DATE:

May, 1960

PURPOSE:

To compare the logging production of a D4C with an older D4

EQUIPMENT:

D4C (40A), logging arch, winch, 18" track shoes D4 (7U), logging arch, winch, 18" track shoes

PERSONNEL:

J. R. Sterle - Caterpillar Tractor Co.

T. J. Zarse - Caterpillar Tractor Co.

JOB DESCRIPTION:

Clearing 5,000 acres for a "Voice of America" transmitting station. The D4's were arch skidding yellow pin and gum (12" - 16" average D.B.H.) tree-length logs 1/4 mile over

flat, brushy, wet, coastal lowlands.



D4 Series C & 70 D4 at landing in New Bern, N.C.

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<u>D+0</u>	D4 (10)
1/4 mi. 28 min. 2.14 700 bd. ft. 1,500 bd. ft. 13,500 bd. ft.	•
<u>33•3%</u>	
\$12,423 8.000 hrs.	\$11,563 8,000 hrs.
\$1.55/hr.	\$1.44/hr.
•37 \$1•92/hr•	<u>•35</u> \$1.79/hr.
\$.43/hr.	\$.43/hr.
	1.44 1.25
\$3.23	\$3.12
\$5.15	\$4.91
\$3.43	\$4.21
18.5%	
	28 min. 2.14 700 bd. ft. 1,500 bd. ft. 13,500 bd. ft. 33.3% \$12,423 8,000 hrs. \$1.55/hr37 \$1.92/hr. \$.43/hr. 1.55 1.25 \$3.23 \$5.15

D4C

CONCLUSIONS:

PRODUCTION

- 1. The increased power in the D4C made it possible to skid 20% more wood per turn and did it in one higher gear than the 7U D4.
- 2. An additional advantage which is significant in logging applications is the 14-inch ground clearance made available by the new larger sprocket and the new cast, one piece transmission case.
- 3. An increased production of 33% at a savings of 18.5% is a powerful selling tool to use on a contractor who is reluctant to buy new equipment because his present equipment is still running.

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D4 (7U)