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MANUAL PREVIEW

J.I. Case
Operator's Manual

420 Crawler

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Operator's Manual

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CA-O-420 CRLR

FOREWORD

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Incorporated into every product of J. I. Case Company are years of engineering experience, skilled manufacturing methods, and the finest materials available. With proper care and operation, your Case Crawler will perform years of dependable and economical service.

MANUAL PREVIEW

It is the purpose of this book to assist you in getting efficient, economical operation through proper care of your Crawler.

In the event that you need information not given in this manual, or require the services of a factory-trained, Case Serviceman, we recommend you use the facilities offered by the authorized Case Dealer or Branch in your locality. They are kept informed on the latest service procedures and are well equipped to supply your service requirements. All authorized Case Dealers stock genuine Case parts which should always be used to assure the utmost in economy and life for your Crawler.

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When ordering parts, always specify the Crawler and engine serial numbers; also allied equipment serial numbers.

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It is the policy of J. I. Case Company to make continuous improvements at any time, without incurring any obligation to make such changes on Crawlers previously sold.

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INTRODUCTION

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Figure 1 - Right Hand Front View - Drawbar Model

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1. "POWER-TORQ" ENGINE. A high-compression, heavy-duty power plant with an extremely high torque. What's more it operates on regular grade gasoline.

2. HEAVY DUTY CLUTCH. New clutch design with 50% more "torque carrying" capacity, smooth, long life operation.

3. STEERING. Controlled planetary differential with power to both tracks while turning.

4. BRAKES. Bands on drums in differential for stopping and holding Crawler on grades and for steering.

5. TRANSMISSION. Three speed sliding gear type transmission.

6. HYDRAULIC ATTACHMENTS. Several types of hydraulic operated Allied Equipment can be factory installed. It is engineered for the Crawler.

7. SUSPENSION. Leaf type springs for track oscillation prevent undue shock to the Crawler.

8. TRACK AND TRACK FRAME. Heavy-duty steel channel, with side frames securely tied together by rigid transverse torque tube, which supports engine, dozer mounting brackets, etc. All track rollers mounted on anti-friction bearings. Frame is spring-mounted to absorb shocks, keeps stress from damaging power train.

9. UNIVERSAL JOINTS. Universal joints provide a flexible connection between transmission and clutch — no rigid cast iron drive housing to crack or break.

10. SEAT. Stationary-type comfortable back, seat, and arm rests of foam rubber covered with durable imitation leather. Roomy tool chest under the left arm rest.

11. LIGHTS. Seal-beam headlights recessed in streamlined hood, and recessed tail light.

12. TRACK PLATES. A large variety of track plates are offered to fit any particular need. Grousers, open mud grouser, ice and snow grousers, and steel ribbed street plates, heat treated or non-heat treated are offered as optional equipment.

13. MUFFLER. An underhood type muffler is available as optional equipment for installation on the Crawler.

14. PRE-CLEANER TUBE (OPTIONAL). A pre-cleaner tube, with settling bowl, is available for installation on Crawlers. This tube, which elevates the air intake level several feet above the hood, is recommended for use in dusty operating conditions.