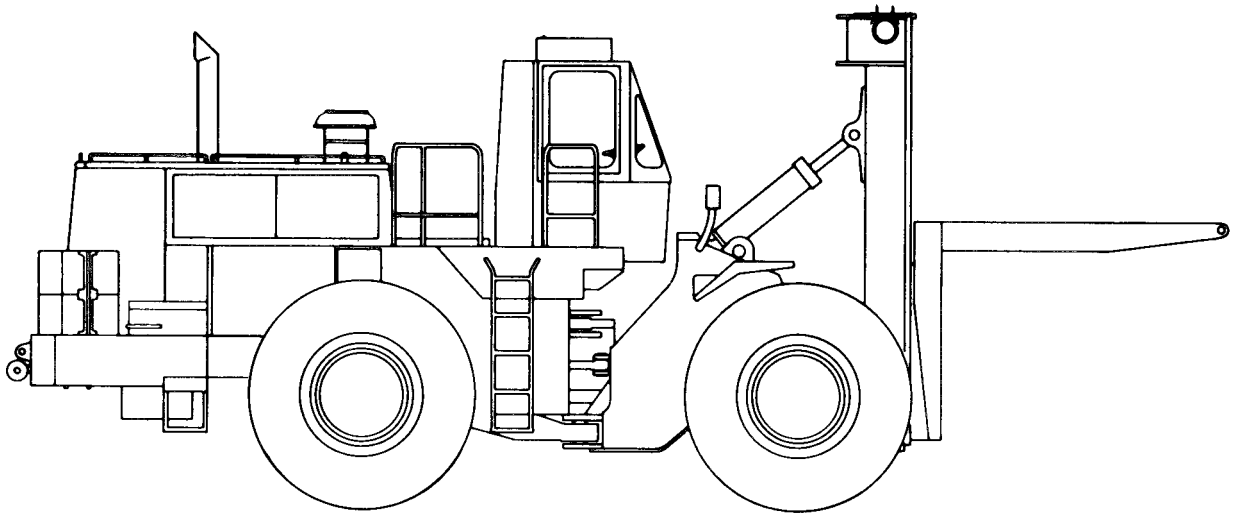
TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE MANUAL



TRUCK, CONTAINER HANDLER
ROUGH TERRAIN, 50,000 LB CAPACITY
DED, PT, NSN 3930-01-082-3758
WITH TOPHANDLER(S)

TABLE OF CONTENTS
PAGE i

EQUIPMENT DESCRIPTION
PAGE 1-3

PMCS
PAGE 2-5

TROUBLESHOOTING
PAGE 2-29

ORGANIZATIONAL MAINTENANCE
PAGE 2-145

MAINTENANCE ALLOCATION CHART
PAGE B-1

MANUFACTURED ITEMS
PAGE D-1

INDEX
PAGE INDEX-1

HEADQUARTERS, DEPARTMENT OF THE ARMY

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 26 June 1981

ORGANIZATIONAL MAINTENANCE MANUAL

TRUCK, CONTAINER HANDLER: ROUGH TERRAIN 50,000 LB CAPACITY, DED PT NSN 3930-01-082-3758 WITH TOPHANDLER(S)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and *Blank Forms),* or DA Form 2028-2, located in the back of this manual, direct to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

		Page
CHAPTER 1	INTRODUCTION	1-1
Section I	General Information	1-1
II	Equipment Description and Data	1-3
III	Technical Principles of Operation	1-10
CHAPTER 2	ORGANIZATIONAL MAINTENANCE INSTRUCTIONS	2-1
Section I	Repair Parts, Special Tools and TMDE	2-2
II	Service Upon Receipt	2-3
III	Preventive Maintenance Checks and Services	2-5
IV	Troubleshooting	2-29
V	Maintenance	2-145
VI	Radio Interference Suppression	2-510
VII	Preparation for Storage or Shipment	2-513
APPENDIX A	REFERENCES	A-1
B	MAINTENANCE ALLOCATION CHART	B-1
Section I	Introduction	B-1
II	Maintenance Allocation Chart	B-5
III	Tool and Test Equipment Requirements	B-26
IV	Remarks	B-28
APPENDIX C	EXPENDABLE SUPPLIES AND MATERIALS	C-1
D	ILLUSTRATED LIST OF MANUFACTURED ITEMS	D-1
E	TORQUE LIMITS	E-1
INDEX		

CHAPTER 1

Section I. GENERAL INFORMATION

SCOPE

This manual is for your use in performing organizational maintenance of the Rough Terrain Container Handler (RTCH).

MAINTENANCE FORMS, RECORDS AND REPORTS

Maintenance forms, records, and reports which are to be used by maintenance personnel at all maintenance levels are listed in and prescribed by DA Pam 738-750, The Army Maintenance Management System (TAMMS).

DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Refer to TM 750-244-3, Procedures for Destruction of Equipment to Prevent Enemy Use.

REPORTING OF EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

EIR can and must be submitted by anyone who is aware of an unsatisfactory condition with the equipment design or use. It is not necessary to show a new design or list a better way to perform a procedure, just simply tell why the design is unfavorable or why a procedure is difficult. EIR may be submitted on SF 368 (Quality Deficiency Report). Mail directly to Commander, U.S. Army Tank-Automotive Command, Warren, MI 48397-5000, ATTN: AMSTA-QRD. We'll send you a reply.

WARRANTY INFORMATION

The Rough Terrain Container Handler is warranted by Caterpillar Tractor Co. for 15 months or 1500 hours of operation, whichever comes first. Warranty starts on the date found on DA Form 2408-9 in the log book. Report all defects in material or workmanship to your supervisor, who will take appropriate action.

PREPARATION FOR STORAGE OR SHIPMENT

Refer to Chapter 2, Section VII of this manual for requirements for storage or shipment, including administrative storage.

Section II. EQUIPMENT DESCRIPTION AND DATA

EQUIPMENT PURPOSE, CAPABILITIES AND FEATURES (Sheet 1 of 1)

PURPOSE

1. Handles ISO (International Standards Organization) designation 1A or lC cargo containers or Sealand Containers.
2. Handles and stacks containers.
3. Loads and unloads flatbed trailers and rail cars.
4. Makes over-the-shore landings.

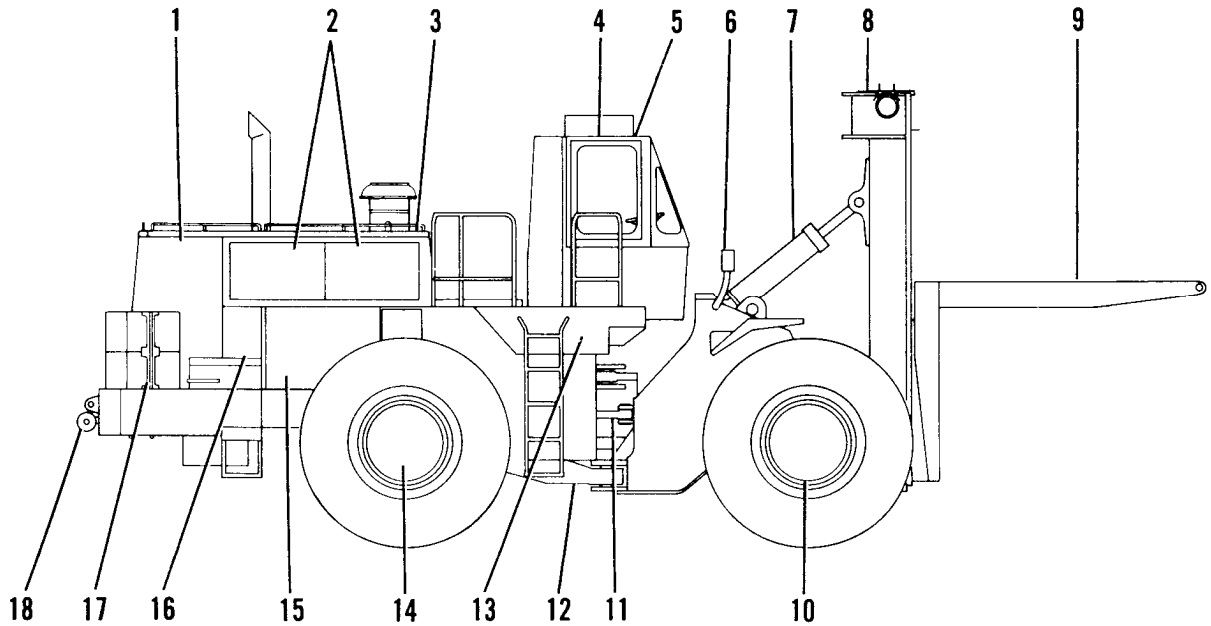
CAPABILITIES AND FEATURES

1. Operates over rough terrain - including beaches, snow, mud and cross country.
2. Fords up to 60 inches (152 cm) of salt water.
3. Comes with a 20 ft (6.1 m) tophandler and may also have a 35 ft (10.6 m) or 40 ft (12.2 m) tophandler.
4. Raises, lowers, tilts forward or backward, sideshifts or sidetilts a container load.
5. Lifts a load from 12 in. (30 cm) below ground level to 118 in. (300 cm) above ground level (measured to bottom of container)
6. Articulated (bends in center) for easy load handling.

End

LOCATION AND DESCRIPTION OF MAJOR COMPONENTS (Sheet 1 of 3)

1. RADIATOR - For cooling system. Grille faces rear.
2. UPPER ENGINE ACCESS PANELS - Two on each side. Hinged for easy access.
3. HOOD - Two-piece, can be removed.
4. OPERATOR'S CAB - Equipped with rollover protective structure (ROPS).
5. AUXILIARY HEADLIGHT - One on each side of cab.
6. LIGHTS - High beam and low beam on each side of cab.
7. TILT CYLINDER - One on each side. Tilts the mast forward and backward.
8. MAST - Moves to position the contair w,
9. FORKS - Mount and secure the tophandlers.
10. FRONT WHEELS, AXLES AND FINAL DRIVES.
11. STEERING CYLINDER - One on each side.
12. HITCH - Articulated for easy steering maneuverability.



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Go on to Sheet 2