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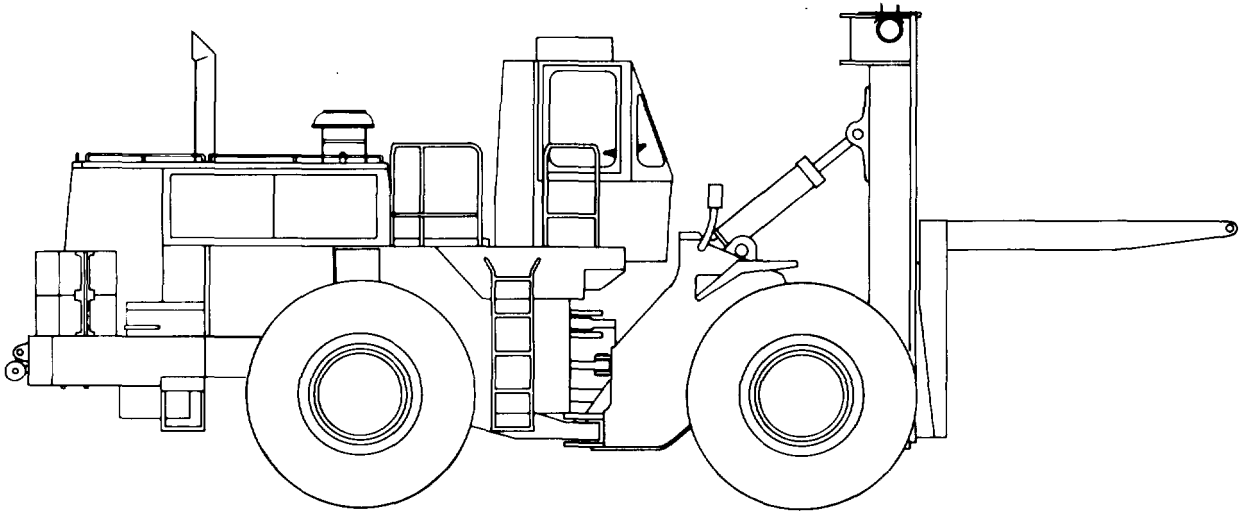
TECHNICAL MANUAL

OPERATOR'S MANUAL



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

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MAY 1981

TECHNICAL MANUAL
NO- 10-3930-641-10

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC, 15 MAY 1981

OPERATOR'S 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, Ml 48397-5000. A reply will be furnished to you.T

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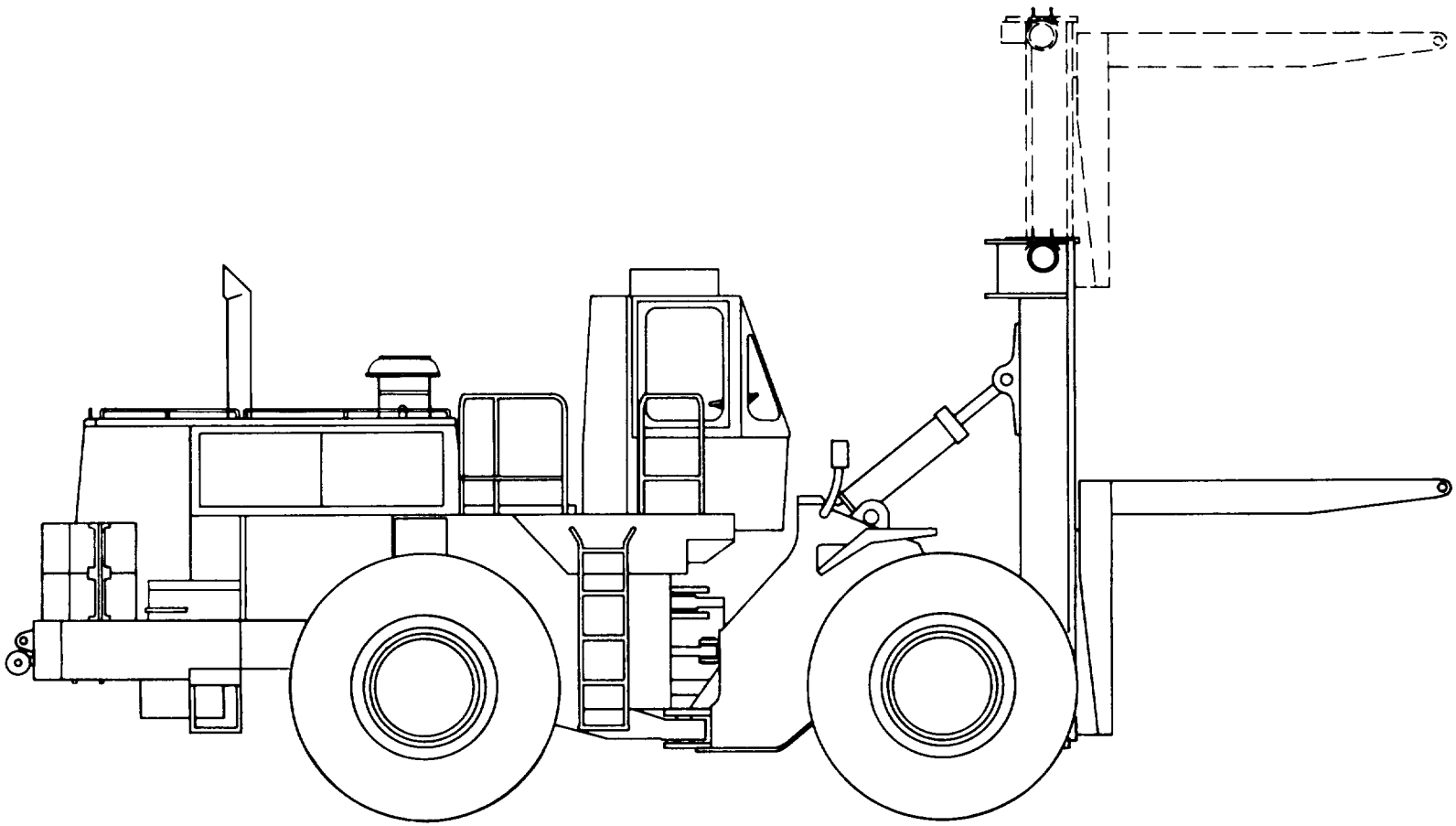

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ROUGH TERRAIN CONTAINER HANDLER

Section I. GENERAL INFORMATION

SCOPE

(Sheet 1 of 1)

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

The RTCH is used for loading, unloading, handling and stacking containers weighing 50,000 pounds (22,700 kg) or less.

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).

EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your Container Handler needs improvement, let us know. Send an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Tell us why a procedure is hard to perform. Put it on an SF 368 (Quality Deficiency Report). Mail it 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 superior, who will take appropriate action through your organizational maintenance shop.

End

Section II. EQUIPMENT DESCRIPTION

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

PURPOSE

1. Handles 1S0 (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.

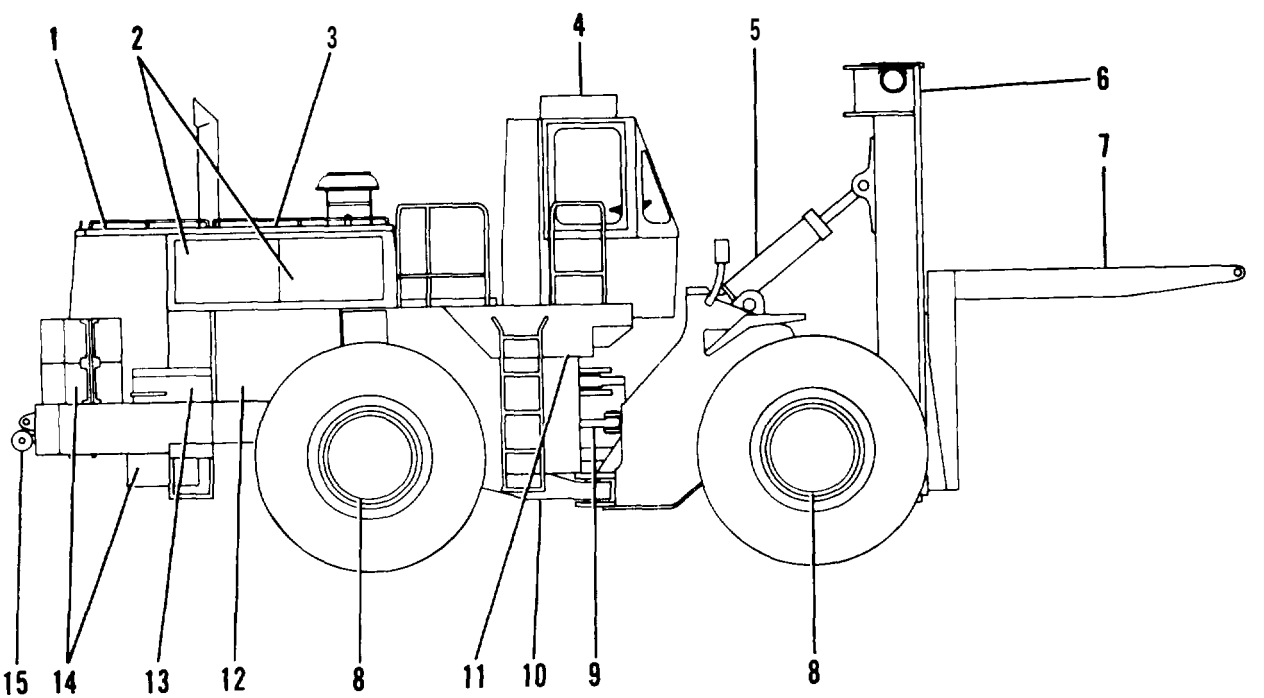
CAPABILITIES AND FEATURES

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 tophandler and may also have a 35 ft or 40 ft tophandler.
4. Raises, lowers, tilts forward or backward, sideshifts or sidetilts a container load.
5. Lifts a container 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

1. RADIATOR – Provides engine cooling. Grille faces rear.
2. UPPER ENGINE ACCESS PANELS — Allows access to engine for maintenance. Two on each side. Hinged for easy access.
3. HOOD — Two-piece, can be removed for engine maintenance.
4. OPERATOR'S CAB – Equipped with rollover protective structure (ROPS) to protect operator.
5. TILT CYLINDER – One on each side. Tilts the mast forward and backward.
6. MAST — Moves to position the container.
7. FORKS — Mount and secure the tophandlers.
8. WHEELS, AXLES AND FINAL DRIVES – Steer and propel the vehicle.
9. STEERING CYLINDER – One on each side for turning.
10. HITCH – Articulated for easy steering maneuverability.



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