

**TRAILER, LT/MDM, CARGO, 4 TONNE, MC3
NSN 2330-66-148-3421**

DATA SUMMARY

This instruction is authorised for use by command of the Chief of Army. It provides direction, mandatory controls and procedures for the operation, maintenance and support of equipment. Personnel are to carry out any action required by this instruction in accordance with EMEI General A 001.

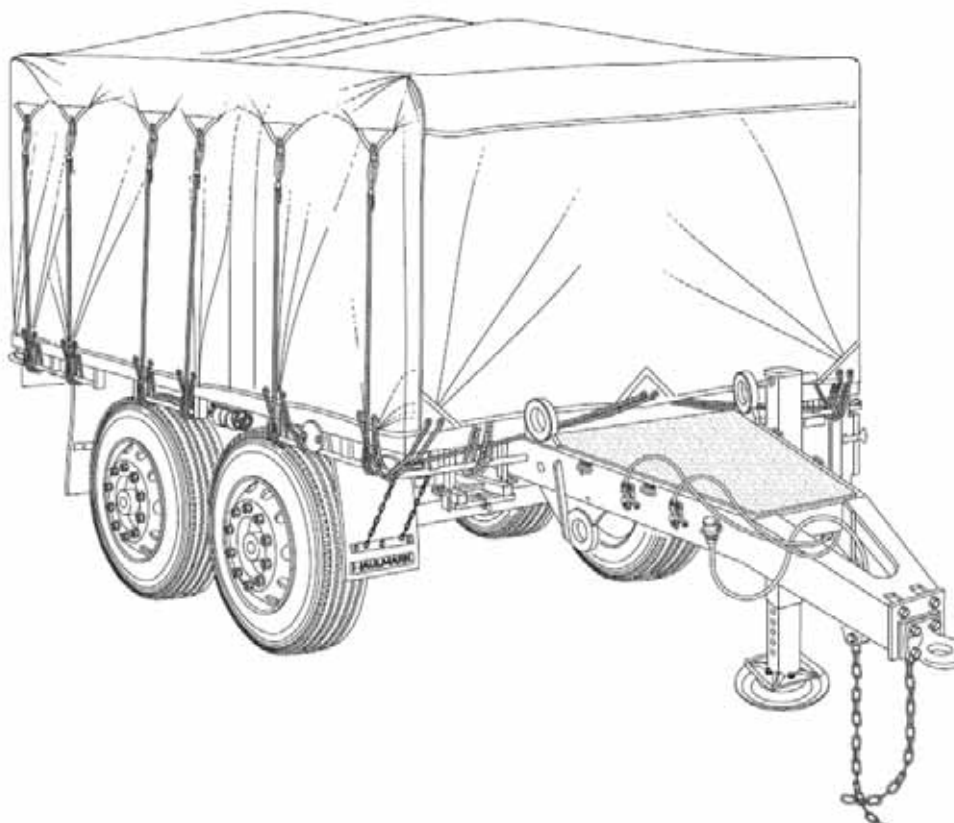


Figure 1 Trailer, Lt/Mdm, Cargo, 4 Tonne, MC3

General

1. This EMEI lists basic data for Trailer, Lt/Mdm, Cargo, 4 Tonne, MC3, as shown in Figure 1.
2. **Role.** The primary role of this trailer is to transport palletised loads and general stores, of up to 4 tonnes, behind the ADF's 4x4 medium truck fleet. The inclusion of twist locks in the deck also enables the trailer to carry a Tri-con or 1D container.
3. **Description.** This is a tandem axle, prefabricated, steel-framed trailer with a fixed drawbar, suitable for on-highway and cross-country applications. Twist locks and deck tie-downs have been built into the deck for securing loads, while the side coaming incorporates rope rails for securing the tarpaulin, and mounting points for fitting the load rack and gates.

Physical Data

4. **Dimensions:**
 - a. Length 5881 mm
 - b. Width..... 2500 mm
 - c. Height (Top of Drawbar Leg) 1220 mm

- d. Towing Eye Height (Laden):
 - (1) Lower 710 mm
 - (2) Mid 767 mm
 - (3) Upper 824 mm
 - e. Track 2050 mm
 - f. Wheel Base 1250 mm
 - g. Cargo Tray:
 - (1) Length 3900 mm
 - (2) Width 2500 mm
 - (3) Height (Unladen) 1120 mm
 - h. Drawbar Length 1800 mm
 - i. Ground Clearance 230 mm
 - j. Limiting Feature Brake drum
5. **Mass:**
- a. Unladen 3000 kg
 - b. Maximum Loading 4000 kg
 - c. Maximum Aggregated Total Mass (ATM) 7000 kg

Technical Specification

6. **Brakes:**
- a. Foundation Dana/Spicer
 - b. Type Air/mechanical, D22, internal expanding twin shoe type, 'S' cam actuation, 16.5 × 7 inch brake with type 24 actuators on the front axle, and type 24/24 spring brake chambers on the rear axle.
 - c. Parking Spring brakes (rear axle only)
 - d. Air System:
 - (1) Type twin line
 - (2) Manufacturer ABC
 - (3) Coupling Type Glad Hand
7. **Wheels and Tyres:**
- a. Wheels 10 stud 335 PCD DIN, 22.5 × 8.25 tubeless
 - b. Tyres and Tyre Pressures Refer to EMEI Vehicle A 291-5
8. **Suspension.** The trailer employs an overslung spring type suspension. Load sharing capabilities are provided by the use of the centre-mounted equaliser assemblies. The suspension has six-leaf semi-elliptic springs that are free to slide in their respective hangers at either end. The axles are located by radius rods that allow free vertical movement of the axles for the full extent of suspension travel, whilst maintaining correct axle alignment.
- a. Manufacturer Engineered Transport Equipment
 - b. Type T4-T-6L

- 9. Axles:**
- a. Manufacturer Dana/Spicer
 - b. Type D22 single tubular beam
- 10. Electrical System:**
- a. Type 12/24 V dc
 - b. Connector 12-pin NATO
 - c. Lighting:
 - (1) Stop/Tail/Indicator Rear of trailer, two LED modules
 - (2) Number Plate Light Rear of trailer, two LED modules
 - (3) Clearance and Marker Lights (front) Front of trailer, two LED modules
 - (4) Clearance and Marker Lights (side) Sides of trailer, four LED modules
 - d. Lighting, Military:
 - (1) Blackout Stop and Marker Rear of trailer, two LED modules
- 11. Frame Assembly:**
- a. Frame Prefabricated steel
 - b. Drawbar Rigid, prefabricated steel
 - c. Tow Ring:
 - (1) Manufacturer Holland Hitch
 - (2) Type DB 1385
 - d. Spare Tyre Winch:
 - (1) Manufacturer Sanko
 - (2) Type UFK 280
 - e. Support Legs:
 - (1) Manufacturer Holland Hitch
 - (2) Type LG 700 (modified)
- 12. Load Securing Features.** The trailer has been fitted with the following equipment and attachment points for securing cargo:
- a. Twist Locks Six
 - b. Deck Tie-downs Seven
 - c. Ratchet Straps Three
- 13. Lubricants:**
- a. Lubrication Nipples XG-291
 - b. Wheel Bearings XG-291
 - c. Air Valves XG-315
 - d. Hinges, Pins and Linkages SAE Grade 40

Manufacturer's Details:

14. The OEM contact details are as follows:

a. Manufacturer – Queensland:

Haulmark Trailers (Australia)
1848 Ipswich Road
ROCKLEA QLD 4108
Tel: (07) 3277 3666
Fax: (07) 3277 0296

b. Manufacturer – New South Wales:

Haulmark Trailers (Australia)
36 Riverside Road
CHIPPING NORTON NSW 2170
Tel: (02) 9755 3877
Fax: (02) 9755 2320

15. **Associated Information:**

- a. SIGC.....2330-0092
- b. NSN..... 2330-66-148-3421
- c. RPS..... 02258
- d. SCES 12280
- e. EMEI:
 - (1) Vehicle A 291-5 General Service B Vehicle Tyre Guide
 - (2) Vehicle H 422 Technical Description
 - (3) Vehicle H 423 Light Grade Repair
 - (4) Vehicle H 424 Medium and Heavy Grade Repair
 - (5) Vehicle H 429 Servicing Instruction

16. **Point of Contact:**

LVSP0, Mdm/Hvy B Vehicles
DMO
Victoria Barracks
St Kilda Rd
SOUTHBANK VIC 3006

END

Distribution List: **VEH H 04.1 – Code 1** (Maint Level)
(Sponsor: LV SPO, Mdm/Hvy B Vehicles)
(Authority: TRAMM)