

**TRUCK TRACTOR, HEAVY TANK TRANSPORTER, MC3, MAN 8X8 PRIME MOVER, 6  
CYLINDER DIESEL ENGINE, 12 SPEED TC-TRONIC NSN 2320-66-154-5390**

**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 Truck Tractor, Heavy Tank Transporter, MC3, MAN 8X8 Prime Mover, 6 Cylinder Diesel Engine, 12 Speed TC-Tronic**

**General**

1. This EMEI lists basic data for Truck Tractor, Heavy Tank Transporter, MC3, MAN 8X8 Prime Mover, 6 Cylinder Diesel Engine, 12 Speed TC-Tronic, as shown in Figure 1.
2. **Role.** The role of the Truck Tractor, Heavy Tank Transporter, MC3, MAN 8X8 Prime Mover is to provide primary power to the Dolly, Trailer Converter Heavy Tank Transporter, HVY, MC4, Drake (Dolly) and the Semitrailer, Low Bed Tank/Plant Transporter MC4, Drake 4x8 (Semitrailer).
3. **Description.** The Truck Tractor, Heavy Tank Transporter is a MANTGA H76 41.5306 Military Off The Shelf (MOTS) vehicle built to Australian Design Rules (ADR) compliance. It is capable of MC3 and MC4 operating environments. The Truck Tractor is part of the Heavy Tank Transporter (HTT) mission system which included the HTT Dolly and Low Bed Trailer.

**Detail**

**4. Dimensions:**

- a. Height..... 3.8 m
- b. Length ..... 8.675 m
- c. Width..... 2.5 m

**5. Mass:**

- a. Tare ..... 11 000 kg
- b. Gross Vehicle Mass (GVM)..... 41 000 kg
- c. Gross Combination Mass (GCM)..... 109 000 kg
- d. Gross Train Weight (GTW) ..... 250 000 kg

UNCONTROLLED IF PRINTED

**6. Performance:**

- a. Mobility Category .....MC3
- b. Engine (Capacity).....  
MAN D2876 6 Cylinder in line Turbocharged Intercooled Common Rail Electronic Injection Euro 3  
(12.8 L)
- c. Engine Maximum Torque (900-1 400 RPM) ..... 2 400 Nm (1 770 lb.ft)
- d. Engine Maximum Power (at 1 900 RPM) ..... 530 HP (390 kw)
- e. Transmission ..... Automated MAN ZF TC-Tronic 12 speed
- f. Transfer Case.....MAN G252-2 Selectable Hi-Lo (2 speed)
- g. Axles..... MAN Planetary (with diff lock)
- h. Drive Configuration ..... 4X8, 8X8
- i. Vehicle Suspension .....Load sharing spring (front and rear axle groups)
- j. Service Brakes .....Drum
- k. Auxiliary Brakes (Retarder, Torque Converter, EVB, ABS) ..... EBS (BrakeMatic)
- l. Fuel.....Diesel
- m. Fuel Capacity..... Tank 1 – 530 L, Tank 2 – 300 L
- n. Cabin Suspension ..... Full Air
- o. Electrical System..... 24 V DC – Primary/12 V DC on nominated outlets
- p. Tow Coupling – Centre Pin (front bumper) .....Max pulling force – 33 000 Kg
- q. Ringfeder..... 25 000 Kg
- r. Recovery Points..... (Front D-shackles) 40 000 Kg, suspended towing NOT permitted

**7. Safety Information:**

- a. Vehicle air conditioning system is filled with CFC-free refrigerant R 134-A.
- b. Vehicle is fitted with 4 x 12 Volt sealed lead-acid batteries.

**8. Ancillary Equipment:**

- a. Additional rear mounted engine cooling radiator (in series with primary);
- b. Load list stowage;
- c. Military & auxiliary driving lighting; and
- d. Bull bar.

**9. Manufacturer's Details:**

- a. Manufacturer:  
RHEINMETALL-MAN Military Vehicles  
Level 1, 25 Geils Court  
PO Box 79  
DEAKIN WEST ACT 2600  
Phone: 02 6282 3211 Fax: 02 6282 9863
- b. Australian Distributor:  
MAN/Westar  
72 Formation Street  
WACOL QLD 4076

UNCONTROLLED IF PRINTED

**10. Point of Contact:**

Fleet Manager Mdm/Hvy B Vehicles  
CGSVSPO, DMO  
Defence Plaza Melbourne  
661 Burke Street  
MELBOURNE VIC 3000

**11. Associated Information:**

- a. SIGC ..... 2320-0214
- b. NSN..... 2320-66-154-5390
- c. RPS ..... N/A
- d. SCES ..... 012350
- e. Equipment Code.....FI
- f. User Handbook..... 7610-66-155-2860
- g. Other EMEI:
  - (1) ..... [Vehicle H 930](#)
  - (2) ..... [Vehicle H 940](#)
- h. ILSI ..... ALI-MM 10-39

UNCONTROLLED IF PRINTED

**END**

Distribution List: **VEH G 71.0 – Code 1** (Maint Code)  
(Sponsor: CGSV SPO, Mdm/Hvy B Vehicles)