

SEMI-TRAILER, CARGO, 12.5 METRE, HEAVY, MC4 – FRUEHAUF HEFTY PLATFORM

SERVICING INSTRUCTION

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.

Introduction

1. This EMEI lists the requirements for each level of servicing for the Semi-Trailer, Cargo, 12.5 Metre, Heavy, MC4 – Fruehauf Hefty Platform. Table 1 details the servicing requirements for each level of servicing.

2. *Associated Publications.* For maintenance and repair procedures, reference may be necessary to the latest issue of the following EMEI:

- a. VEHICLE H 773, Semi-Trailer, Cargo, 12.5 Metre, Heavy, MC4 – Fruehauf Hefty Platform – Unit Repair;
- b. VEHICLE G 774-1, Semi-Trailer, Cargo, 12.5 Metre, Heavy, MC4 – Fruehauf Hefty Platform – Field Repair;
- c. GENERAL I 004 – Inspection – Technical Inspection and Classification of Military Equipment; and
- d. VEHICLE A 029 Vehicles – General, Servicing of B Vehicles, Trailers, Motor Cycles, Stationary Equipment, Auxiliary and Small Engines.

3. Reference may be required to the current issue of the following publications to ensure safety of personnel and prevent damage to equipment:

- a. EMEI Workshop E series – Occupational Health and Safety Instructions;
- b. Manual of Occupational Health and Safety (MOHS) – Occupational Health and Safety;
- c. Product Material Safety Data Sheets (MSDS) – product information sheets;
- d. relevant equipment EMEI Servicing Instructions; and
- e. Equipment User/Operator and Servicing Handbooks.

WARNING

ALL INDUSTRIAL SAFETY, WORK PRACTICES AND EQUIPMENT OPERATING AND MAINTENANCE INSTRUCTIONS PERTAINING TO THIS EMEI ARE TO BE ADHERED TO.

THE HANDLING, STORAGE AND USE OF CHEMICAL SUBSTANCES ARE TO BE IN ACCORDANCE WITH MOHS, MSDS AND EMEI WORKSHOP E SERIES REQUIREMENTS.

WARNING

DURING SERVICING PROCEDURE, BOLTS AND NUTS THAT REQUIRE RETENSIONING OR ADJUSTING AND HAVE BEEN ASSEMBLED USING LOCTITE PRODUCTS ARE TO HAVE LOCTITE RENEWED.

Servicing Intervals

4. The vehicle must be serviced and technically inspected at least once every 12 months, in accordance with the reference in Para 2d.
5. When two types of servicing period are expressed (eg 12 months or 20 000 km) the service is to be applied at the expiration of the first occurring period, ie which ever comes first.
6. A scheduled service may be anticipated or delayed, within a limit of plus or minus 5% of the interval between services, to meet operational needs and permit workload planning.

NOTE

When any equipment exceeds the 5% maximum limit, it is to be classified 'XX' (Not to be Used) until the required service has been completed.

7. Daily and weekly servicing is to be carried out as detailed in the user handbook.

POL Suitability

8. Shell Retinax LX2 grease is to be used to lubricate driveline and vehicle components. Shell Retinax LX2 is an EP Calcium Complex Grease and only EP Calcium Complex Greases are to be used as an alternative to Shell Retinax LX2.

Road Test

9. At the completion of each service, the vehicle is to be road-tested in accordance with the Road Test Checks procedure detailed in the reference material listed at Para 2a.

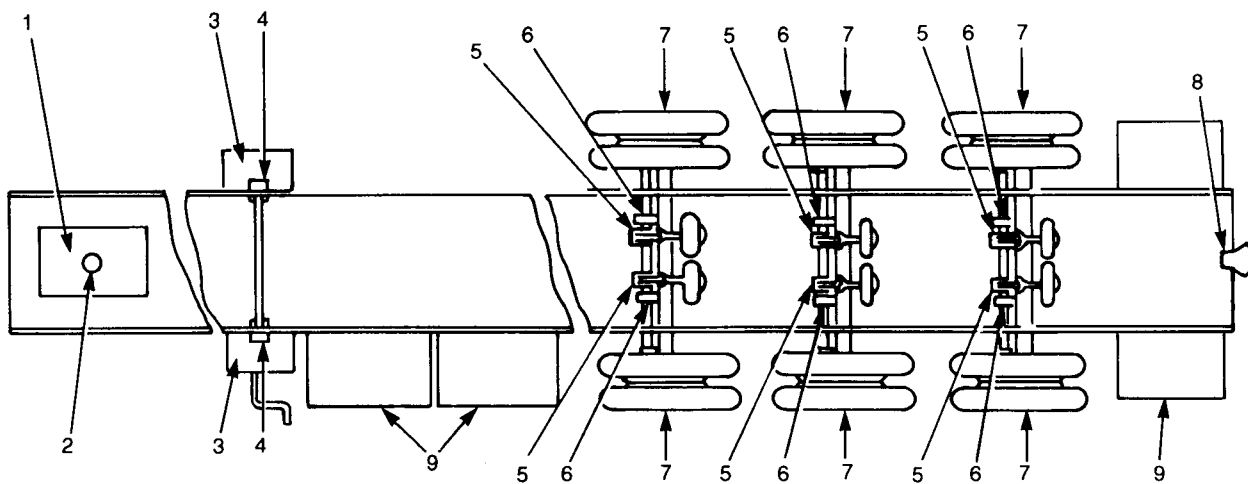


Figure 1 – Servicing Points for Semi-Trailer, 12.5 Metre, Cargo

Table 1 – Servicing Requirements for Semi-Trailer, 12.5 Metre, Cargo

Item	Item or Assembly (1)	Note/s	Lubricant	Initial 3 Mths/ 1600 km	Minor 12 Mths/ 20 000 km	Major 24 Mths/ 40 000 km	Alt Major 48 Mths/ 80 000 km	No of Point/s
1	Apron Plate		Shell Retinax LX2	L	L	L	L	1
2	King Pin		Shell Retinax LX2	L	IL	IL	IL	1
3	Support Leg Gears	2	Shell Retinax LX2	L	L	L	L	2
4	Support Legs (inner)		OMD – 115	L	L	L	L	2
5	Slack Adjuster	3	Shell Retinax LX2	L	L	IL	OL	8
6	Brake Camshaft	3	Shell Retinax LX2	L	L	L	OLA	16
7	Wheel Bearings	3	Shell Retinax LX2	A	A	ILA	ILA	6
8	Brakes	3 & 4		IA	IA	IA	IOA	6
9	Road Spring U-bolts	5		Y	Y	Y	Y	6
10	Toolbox Hinges		OMD-115	L	L	L	L	6
11	Tow Coupling (Nut)		Shell Retinax LX2	L	L	L	L	1
12	Relay Valve	3	XG-315			IL	IOL	
13	Service Brake Relay Valve	3	XG-315			IL	IOL	2
14	Spring Brake Relay Valve	3	XG-315			IL	IOL	1
15	Yard Release Valve	3	XG-315			IL	IOL	1

Legend: A – Adjust, I – Inspect and or Correct, L – Lubricate, O – Overhaul, Y – Tighten/Free Up

Notes:

- Table 1, Servicing Requirements for Semi-Trailer, 12.5 Metre, refers to Figure 1, Servicing Points for Semi-Trailer, 12.5 Metre.
- The support legs are permanently lubricated. Lubrication is possible through five grease nipples if conditions contaminate grease.
- For maintenance and adjustment procedures, refer to EMEI Vehicle H 773 and EMEI Vehicle H 774-1 – Repair Manuals.
- Brake shoes are to be replaced when inspection identifies that they have exceeded wear limits. During alternate major service, overhaul S-cam brakes in accordance with EMEI Vehicle H 773.
- Torque the road spring U-bolts to 461-488 N.m (340-360 lb.ft) after 3 months, then 12-month intervals thereafter.