

DIRECTORATE GENERAL BORDER ROADS
GENERAL MAINTENANCE INSTRUCTION NO.116

ON

PRESERVATION OF METALLIC STORES AND EQUIPMENT

Introduction

1. Improper handling and storage of Metallic stores and Equipment results in rusting and corrosion. The main cause for rusting and corrosion are water heat and atmosphere predicament in salinity. This can be avoided by adopting correct method of care and preservation.

Aim

2. The aim of this instruction is to adopt correct method of preservation, so that the life of Metallic stores and Equipment can be prolonged.

Action by

3. (a) Units/Store Companies. To ensure that the Metallic stores and Equipment are properly preserved as per details given as per Appendix 'A' to this instructions:-

(b) CE Project/Task Forces. To ensure that the stores are checked periodically for correct preservation.

Details

4. The details of the corrosion preventives are given as per Appendix 'A' to this instruction, which may be suitably applied as per the requirement of the equipment.

PRESERVATION OF METALLIC STORES AND EQUIPMENT

Preservatives

Temporary Corrosion Preventives are broadly divided into the following three groups according to the type of film these preservatives leaves on the surface on which they are applied:-

- Group I - Paints; Composition Rust Preventative.
 These leaves a thin though film which cannot be easily removed by abrasion.

- Group II - (a) Grease; Mineral – Jelly;
 Preventative Mineral Jelly –Beeswax.
 These leave a thick soft film.

- Group III - Oil M-80; Oil ‘ ’ Oil SAE-30 and 10.
 These are oil type of preservatives.

Only soft type of preservatives are suitable for use on :-

- (a) Items having a sharp cutting edge.
- (b) Items having working or moving parts.
- (c) Items having threaded parts.
- (d) Ball and Roller bearings.