

**DIRECTOR GENERAL BORDER ROADS**  
**GENERAL MAINT INSTRUCTION NO. 144**

**ON**

**PRESERVATION OF MANUALLY OPERATED TYRE PUMPS**

Introduction

1. It has been found that the leather washers of pumps, which have been in stock for some considerable time become dry and hard and may split or crack. This instruction is laid down to prevent early failure of pumps due to their having been stored for long period.

Item effected

2. Tyre pumps, hand end foot operated, leather pump washers and any movable linkages.

Details

3. a) Dismantle all pumps failing to perform satisfactorily and examine the leather washers.

- i) If the washer is split or cracked, replace it.
- ii) If the washer is sound, soak it in oil for 24 hours.

b) Clean the barrel ensuring that it is free from all traces of dried lubricant and corrosion.

c) When the leather is supple, free the washer from excess of oil and reassemble ensuring that the barrel is free from dust and grit and is lightly seared with oil.

d) Lubricate the movable joints in the linkages and examine the hose and connectors for possible causes of leakage loose ferrules, lost or damaged hose base union washers etc.

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