

C175919

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DEVELOPMENT OF VEHS AND SMALL ARMS (Week ending 26 Jun)

23. (a) Proving Ground

- (i) Exhaust Smoke Emitter, Rad Tk - A pressure relief valve on pump with by-pass to main tank is being installed to prevent motor failure.
- (ii) Low Silhouette Veh 6 x 6 - Comparative trials with several DND vhs are being conducted.

(b) Design

- (i) Universal Carrier Smoke Emitter - Tests have taken place using two smoke-emitter units on one Carrier.
- (ii) Universal Carrier 95 HP Engine Test - Tests have been completed and engines are disassembled for inspection.
- (iii) Arty SP 25-pdr Tracked - Installation of Homelite Generator has been completed. A pilot Gun-layer seat is scheduled for completion shortly.
- (iv) Synthetic Tire Development - The second series of tests are nearing completion. Results indicate an appreciable improvement in tire performance.
- (v) 50-ton Semi Trailer Tank Transporter - The pilot chassis is expected to be completed by the end of Jun.

(c) Small Arms

- (i) Cdn Quad 20-mm AA Mtg - Firing trials of mtg equipped with Cdn 20-mm guns is being carried out against towed targets at Mountain View.
- (ii) Cdn Single Manual 20-mm AA Mtg - This eqpt has been received from the manufacturer and firing trials are being conducted at Mountain View.
- (iii) Single 20-mm AA Mtg, M2 El - Further dispersion trials have been carried out and firing trials against towed targets are in progress at Mountain View.
- (iv) Endurance Trials 20-mm Automatic Gun M1, Bendix Manufacture - Trials of the two guns of 20,000 series have been delayed due to trials of the 20-mm Cdn Automatic Gun.

ARTY (Week ending 26 Jun)

24. (a) Coast Arty

- (i) Armament, BL 6-in - The first of the BL 6-in Mk XXIV Guns for Mary Hill Bty, Esquimalt, has reached its destination. The third 6-in Mk VI Mtg for Chebucto Bty, Halifax, is in transit from the UK.
- (ii) Magslip Transmission - Cable Failure Alarm System - Instructions for installation and operation of the "Apparatus Indicating Magslip Cable Failures" have been prepared and distributed.