

Specialists in Ground Support Equipment, Research, Design, Development and Production

Ingersoll Kalamazoo Division, Borg-Warner Corporation



LVT-3



LVTP5



LVTH6

LARC-5: Lighter, Amphibious,
Re-Supply, Cargo

Most recently known for its development of the LARC-5 and LARC-15—the greatest advance in amphibious craft during the past 20 years—Ingersoll Kalamazoo Division has long been recognized for its special application vehicles used by the Army, Navy and Marine Corps.

Ingersoll Kalamazoo has long experience in ground support equipment development *from basic requirements through production*. Offering a COMPLETE SERVICE it possesses the know-how and facilities to (1) start with the most general requirements (2) reduce them to an engineering problem (3) design and develop prototypes (4) test (5) train field groups (6) produce in quantity, and (7) logistically support all mobile equipment.

Shown here are a few examples of Ingersoll Kalamazoo Division's ability to save valuable development and production time through its well integrated, versatile and highly qualified engineering group dating back to 1941.

LVT-3—World War II twin engine amphibian. Modified to LVT3c, these vehicles were used extensively in the Korean Campaign.

LVTP5—Improved 40 ton cargo and personnel carrier, with outstanding surfing ability.

LVTH6—One of several members of the LVTP5 family, is equipped with 105 MM dual purpose Howitzer turret.

LARC-5—The Ingersoll-Borg-Warner design embodying the most advanced ideas in amphibious craft. This wheeled lighter will soon be in service beside the other military equipment engineered and produced by the Ingersoll Kalamazoo Division of Borg-Warner.



Borg-Warner Corporation

INGERSOLL KALAMAZOO DIVISION

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THE *Lark* OF THE LARC

The first prototype of the new 5 ton lighter, designed and built by the Ingersoll Kalamazoo Division of Borg-Warner Corporation, had a busy year successfully completing its extensive test program on schedule.



← Early in 1959, The welded aluminum hull is shown in Ingersoll's plant ready for installation of machinery.

June 1959. The completed lighter is hoisted by its lifting eyes and set down on the ramp to roll out under its own power.



← The LARC 5-1X is loaded for tests at the Ingersoll Proving Ground. Lift trucks are used to simulate service conditions.

Rolling over the rugged terrain of the Ingersoll land course. Note propeller and guard visible below the vehicle.



Soft sand and sand dunes are sought out at the Warren Dunes State Park on Lake Michigan to test tractability of the large low pressure tires. Results were excellent.



← Water trials with full 5 ton cargo are run in the lake at the Ingersoll Proving Ground.



← The LARC 5-1X hauled its load over rugged desert terrain at Yuma, Arizona and 29 Palms, California. (Several times it took an accompanying 1/4 ton 4 x 4 in tow when the latter stuck in the sand).

Then came the big test in the Pacific Ocean at Monterey, California. Breakers up to 17 feet high failed to stop the rugged lighter.



Landing on the beach with 5 tons of cargo to complete the mission.



← Loading offshore at shipside to check out the lighter in the mission for which it was primarily designed.

← Entering the LST under her own power. Propeller and 4 wheels drive simultaneously as the loaded lighter climbs the ramp.



Inside LST as LARC 5-1X comes aboard — November 1959.



Design, construction, and complete testing was accomplished within 18 months. Write for illustrated specification sheet.

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