
The continuation of science discussion about actual question of implementation wheel propulsion and steering systems on river fleet.

Key words: propulsion and steering systems, safety, speed, stability, handling, economics, comfort for passengers.

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Describes the reasons, essence and consequences of the accident in 1994 in Permskiy lock. Analyses normative documentation for savefy of shipping hydraulic structures.

Key words: shipping lock, locks’ gates, pressure front breakthrough, savefy of hydraulic structures.

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Analyses influence of process of changing under load features of soil base of lock (on the example of Gorodetskiy hydrosystem) on its displacements and deformations.

Key words: shipping lock, soil consolidation, deformations of constructions.

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The author’s analysis of phenomenon discovered while sport sailing races on wooden boats.

Key words: sailboat, swallow water limit, principles of ship control.

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Describes the author’s principle to prevent icy condition on overhead power line on river transport. Suggests experimental functions for calculation preventive cable heating.

**Key words:** river transport, overhead power line, icy condition, preventive heating currents, cable,

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**About devices for mechanization works while repair ship’s propulsion and steering system / L. Arabyan, E. Grigoryev, M. Menzilova // River transport (XXI\textsuperscript{st} century).2019. – № 1 (89) – p.52-55.**

Describes the features of created in SSUWT technical devices which allow increasing of effectiveness of fleet service.

**Key words:** river ship, mechanization of work, propulsion and steering system.

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