

TECHNOLOGY AUDIT AND PRODUCTION RESERVES

№ 6/1(80), 2024

CONTENTS



MECHANICS

- 6** Development of a mathematical model of acoustic processes in the Opera Studio of the Kyiv Conservatory
Valeriia Havrylko



MECHANICAL ENGINEERING TECHNOLOGY

- 11** Optimization of the concrete production process in terms of energy consumption
Oleksandr Levchenko, Bogdan Korobko
- 16** Modeling the loading process of pneumatic separation channels
Serhii Kharchenko, Oleksandra Bilovod, Vita Lytvynenko, Anton Kelemesh, Dmytro Tarasenko



METALLURGICAL TECHNOLOGY

- 25** Development and improvement of roll casting technologies for universal beam mills
Oleksandr Saichuk, Olena Borovyk, Nataliia Priliepo, Yulia Basova, Oleksandr Honcharenko, Andrii Zakharov



TECHNOLOGY AND SYSTEM OF POWER SUPPLY

- 36** Improvement of the process of preparing cargo tanks of crude oil tankers for cargo operations
Mykhaylo Kolegaev, Igor Brazhnik
- 41** Implementation of block artificial cooling units for gas preparation
Victoriia Rubel, Maksym Maslenko
- 46** Research of methanol content in technological flows of facilities that process gas by low-temperature separation method
Viktoriia Dmytrenko, Taras Podoliak



ALTERNATIVE AND RENEWABLE ENERGY SOURCES

- 54** Development and research of energy-efficient helio-air collectors for drying agricultural products
Boris Kotov, Roman Kalinichenko, Anatolii Spirin, Natalia Gudzenko, Andrii Didyk, Mykhailo Zamrii
- 61** Abstracts and References
- 71** АНОТАЦІЇ