

ЕКСПЛУАТАЦІЯ ТА РЕМОНТ ЗАСОБІВ ТРАНСПОРТУ

ciency of its functioning and impede further development, constraining the inflow of investment to this industry, hamper cooperation with private companies. Insufficient funding and imperfect system of repair and maintenance inhibit the development and reduce the competitiveness of railway transport of Ukraine. However, the implementation of strategic directions of development of the transport sector, a review of the above constraints and using the experience of advanced countries will steer the rail transport out of the crisis. **Originality.** The authors presented comprehensive consideration of issues to improve the car maintenance system while extending the life of their operation. **Practical value.** Possible ways to improve the technical condition of rolling stock were researched and proposed. This will allow extending the car lifetime and optimizing the costs of maintenance, depot and major repairs.

Keywords: technical state; lifetime; car park; repair; maintenance

REFERENCES

1. Bohuslavskaya, V. (2015). Onovlennia zastariloho vahonnoho parku – pershocherhove zavdannia departamentu vahonnoho hospodarstva Ukrzaliznytsi. *Car Fleet*, 9-10(102-103), 10-13.
2. Myronenko, V. K., Haba, V. V., Matsyuk, V. I., & Petrenko, L. M. (2015). *Zaliznychni vantazhni perevezennia*. Kyiv: DETUT.
3. Zerkalov, D. V. (2006). *Transportna systema Ukrainy*. Kyiv: Osnova.
4. Krasheninina, O. S., & Oboznyi, O. M. (2011). Vyznachennia hranychnykh terminiv dohovichnosti tiahovoho rukhomoho skladu. *Collected Scientific Works of Ukrainian State University of Railway Transport*, 122, 134-140.
5. Krasheninina, O. S. (2015). The effect of locomotive hours on adjusting periodicity of maintenance service and current repair. *Science and Transport Progress*, 1(55), 148-154. doi: 10.15802/STP2015/38265
6. Ukrzaliznytsia. (2008). Kompleksna prohrama onovlennia zaliznychnoho rukhomoho skladu Ukrainy na 2008–2020 roky. Kyiv: Ukrzaliznytsia.
7. Mykhaylychenko, K. M., & Sobkevych, O. V. (n.d.). Udoskonalennia mekhanizmiv reformuvannia ta rozvytku zaliznychnoho transportu v konteksti realizatsii strukturnykh reform v haluzi: analitychna zapyska. *The National Institute of Strategic Studies*. Retrieved from <http://www.niss.gov.ua/articles/1662>
8. Myamlin, S. V., Muradian, L. A., & Baranovsky, D. M. (2015). Problem of the definition the «reliability» term. Methodology of construction and study the reliability of freight cars. *Science and Transport Progress*, 6(60), 110-117. doi: 10.15802/stp2015/57034
9. Krasheninina, A. S., Shapatin, O. A., Matvienko, S. A., & Zezyulin, K. A. (2011). Otsenka periodichnosti tekhnicheskogo obsluzhivaniya i remonta v period poslenormativnykh srokov ekspluatatsii TPS. *Zbirnik naukovih prac' of Donetsk Railway Transport Institute*, 28, 165-167.
10. Pshinko, O. M., Barash, Y. S., & Martseniuk, L. V. (2015). *Upravlinnia vantazhnyimi vahonamy kompanii-operatoriv v umovakh reformuvannia zaliznychnoho transportu Ukrainy*. Dnipropetrovsk: Dnipropetrovsk National University of Railway Transport named after Academician V. Lazaryan Press.
11. Preyher, D. K., Sobkevych, O. V., & Yemelianova, O. Y. (2012). *Stratehichni napriamy rozvytku transportnoi haluzi Ukrainy u pisliakryzovyi period: analitychna dopovid*. Kyiv: The National Institute of Strategic Studies. Retrieved from <http://www.niss.gov.ua/content/articles/files/Transport-9eadb.pdf>
12. Ukrainian Cabinet of Ministers. (2015). *Stratehichnyy plan rozvytku zaliznychnoho transportu na period do 2020 roku*. Kyiv: Ministerstvo infrastruktury Ukrainy.
13. Syrychuk, T., Furhalski, A., Klimkevych, C., Kamola, M., Diachenko, T., Puhachov, M., & Filipenko, O. (2010). *Transportna polityka Ukrainy ta yii nablyzhennia do norm Yevropeiskoho Soiuzu*. Kyiv: Analitichno-doradchyy tsentr Blakytynoyi strichky.
14. Ustych, P. A., Khaba, Y. Y., & Yvashov, V. A. (2003). *Vagonnoye khozyaystvo*. Moscow: Mashinostroyeniye.
15. Bröcker, J., Korzhenevych, A., & Riekhof, M.-C. (2011). Predicting freight flows in a globalising world. *Research in Transportation Economics*, 31(1), 37-44. doi: 10.1016/j.retrec.2010.11.006
16. Railway freight car truck ZK1. (2013). *Chinese Railways Equipment*, 7, 56-59.

Стаття рекомендована до друку д.т.н., проф. С. В. Мямліним (Україна), д.т.н., проф. О. М. Горобченком (Україна)

Надійшла до редколегії: 11.10.2016

Прийнята до друку: 11.01.2017