

References

- [1] A. Shafieian and M. Khiadani, “A multipurpose desalination, cooling, and air-conditioning system powered by waste heat recovery from diesel exhaust fumes and cooling water,” *Case Stud. Therm. Eng.*, vol. 21, no. May, p. 100702, 2020, doi: 10.1016/j.csite.2020.100702.
- [2] P. Worsøe-Schmidt, “Absorption Cooling,” *Adv. Sol. Energy Technol.*, pp. 2418–2425, 1988, doi: 10.1016/b978-0-08-034315-0.50446-8.
- [3] L. Beach and I. P. Fulfillment, “OPTIMIZATION OF WASTE HEAT ON CRUISE SHIPS USING ABSORPTION CHILLERS AND ORGANIC RANKINE CYCLE SYSTEMS,” 2019.
- [4] M. Reißig, A. Hoppe, B. Buchholz, and E. Hassel, “Condensation-fouling interaction in low-temperature EGR-coolers,” *MATEC Web Conf.*, vol. 18, pp. 1–8, 2014, doi: 10.1051/mateconf/20141803004.
- [5] D. E. Sander, C. Knauder, H. Allmaier, S. D. Le Baleur, and P. Mallet, “Friction reduction tested for a downsized diesel engine with low-viscosity lubricants including a novel polyalkylene glycol,” *Lubricants*, vol. 5, no. 2, pp. 1–14, 2017, doi: 10.3390/lubricants5020009.
- [6] M. T. N. A. Master, “Potentiality of introducing absorption chiller systems to improve the diesel power plant performance in sri lanka,” no. February, 2015.
- [7] S. Chen *et al.*, “Engine performance improvements through turbocharger matching and turbine design,” *Energy Sci. Eng.*, vol. 10, no. 9, pp. 3384–3396, 2022, doi: 10.1002/ese3.1225.
- [8] B. S. E. Hons, *EXHAUST SYSTEM ENERGY MANAGEMENT OF* by. Dr. M Anusha Wijewardhane, 2012.
- [9] W. Aladayleh and A. Alahmer, “Recovery of Exhaust Waste Heat for ICE Using the Beta Type Stirling Engine,” *J. Energy*, vol. 2015, pp. 1–8, 2015, doi: 10.1155/2015/495418.
- [10] S. Yang and C. Lee, “Exhaust gas characteristics according to the injection conditions in diesel and DME engines,” *Appl. Sci.*, vol. 9, no. 4, 2019, doi: 10.3390/app9040647.
- [11] J. Merkisz, P. Fuc, P. Lijewski, A. Ziolkowski, and K. T. Wojciechowski, “The

- Analysis of Exhaust Gas Thermal Energy Recovery Through a TEG Generator in City Traffic Conditions Reproduced on a Dynamic Engine Test Bed,” *J. Electron. Mater.*, vol. 44, no. 6, pp. 1704–1715, 2015, doi: 10.1007/s11664-014-3522-6.
- [12] D. Elliot, M. Schwartz, G. Scott, S. Haymes, D. Heimiller, and R. George, “Wind Energy Resources Atlas of Sri Lanka and the Maldives,” p. 175, 2003, [Online]. Available: <http://www.nrel.gov/docs/fy03osti/34518.pdf>
- [13] A. M. Alklaibi and N. Lior, “Waste heat utilization from internal combustion engines for power augmentation and refrigeration,” *Renew. Sustain. Energy Rev.*, vol. 152, p. 111629, Dec. 2021, doi: 10.1016/J.RSER.2021.111629.
- [14] S. Bari and S. N. Hossain, “Performance of a diesel engine run on diesel and natural gas in dual-fuel mode of operation,” *Energy Procedia*, vol. 160, pp. 215–222, Feb. 2019, doi: 10.1016/j.egypro.2019.02.139.
- [15] K. Górski, R. Smigins, and R. Longwic, “Research on physico-chemical properties of diethyl ether/linseed oil blends for the use as fuel in diesel engines,” *Energies*, vol. 13, no. 24, 2020, doi: 10.3390/en13246564.
- [16] C. J. Gerstler, W., & Tang, “A Lithium Bromide Absorption Chiller with Cold Storage.,” *Proc. 11th Int. Sorption Heat Pump Conf.*, 2011, [Online]. Available: <http://www.iifiir.org/>
- [17] J. R. H. Henríquez and J. C. C. Dutra, “Dynamic experimental analysis of a LiBr_H2O single effect absorption chiller with nominal capacity of 35 kW of cooling.”
- [18] E. Speed, S. Power, P. Power, and C. Power, “Engine Performance Data @ 1500 RPM Engine Performance Data @ 1800 RPM FOR,” no. 2, pp. 28–31, 1860.
- [19] A. Dimaratos, Z. Toumasatos, S. Doulgeris, G. Triantafyllopoulos, A. Kontses, and Z. Samaras, “Assessment of CO₂ and NO_x Emissions of One Diesel and One Bi-Fuel Gasoline/CNG Euro 6 Vehicles During Real-World Driving and Laboratory Testing,” *Front. Mech. Eng.*, vol. 5, no. x, pp. 1–16, 2019, doi: 10.3389/fmech.2019.00062.
- [20] S. J. Muthiya, L. Natrayan, L. Yuvaraj, M. Subramaniam, J. A. Dhanraj, and W. D. Mammo, “Development of Active CO₂Emission Control for Diesel

Engine Exhaust Using Amine-Based Adsorption and Absorption Technique,”
Adsorpt. Sci. Technol., vol. 2022, 2022, doi: 10.1155/2022/8803585.

Internet References

1. <https://www.marinetraffic.com/en/ais/home/centerx:6.2/centery:19.6/zoom:2> (Access on – 05/04/2023)
2. <https://www.britannica.com/technology/ship/History-of-ships> (Access on – 12/04/2023)
3. <https://www.marineinsight.com/guidelines/a-guide-to-types-of-ships/> (Access on – 30/04/2023)
4. <https://byjus.com/free-ias-prep/types-of-warships/> (Access on – 05/04/2023)
5. <https://www.senmatic.com/sensors/knowledge/the-5-most-relevant-marine-fuel-types> (Access on – 03/05/2023)
6. <https://www.shipownersclub.com/louise-hall-sulphur-requirements-imo-emission-control-areas/> (Access on – 07/05/2023)
7. <https://www.worldatlas.com/articles/which-ocean-is-the-warmest.html#:~:text=Water%20temperatures%20of%20the%20Indian,pretty%20warm%20all%20year%20round> (Access on – 31/05/2023)
8. https://energyeducation.ca/encyclopedia/Organic_Rankine_cycle (Access on – 05/04/2023)
9. https://www.researchgate.net/figure/The-principle-scheme-of-the-LiBr-H2O-solar-absorption-chiller_fig1_333560381 (Access on – 24/06/2023)
10. https://www.researchgate.net/figure/Ammonia-Water-based-vapour-absorption-refrigeration-system-36Lithium_fig1_279299235 (Access on – 15/07/2023)
11. <https://www.navy.lk/fleet.html> (Access on – 30/07/2023)
12. <https://www.iea.org/energy-system/transport/international-shipping> (Access on – 11/11/2023)