

Bibliography

- [1] Pulkrabek, Willard W. "Engineering fundamentals of the internal combustion engine." (2004): 198-198.
- [2] Jadhao, J. S., and D. G. Thombare. "Review on exhaust gas heat recovery for IC engine." *International Journal of Engineering and Innovative Technology (IJEIT)* 2.12 (2013)
- [3] Bari, Saiful, and Shekh Rubaiyat. *Additional power generation from the exhaust gas of a diesel engine using ammonia as the working fluid*. No. 2014-01-0677. SAE Technical Paper, 2014
- [4] Nadaf, S., and P. Gangavati. "A review on waste heat recovery and utilization from diesel engines." *Int. J. Adv. Eng. Technol* 31 (2014): 39-45.
- [5] Zhang X, Chau KT, "An automotive thermoelectric–photovoltaic hybrid energy system using maximum power point tracking," *Energy Conversion and Management* (2011): s641–7
- [6] Jadhao, J. S., and D. G. Thombare. "Review on exhaust gas heat recovery for IC engine" *International Journal of Engineering and Innovative Technology (IJEIT)* 2.12 (2013)
- [7] Strohl, G. Ralph and Sissom, Leighton E. "Thermionic power converter". *Encyclopedia Britannica*, (2015)
- [8] Datas, Alejandro, and Rodolphe Vaillon. "Thermophotovoltaic energy conversion" *Ultra-High Temperature Thermal Energy Storage, Transfer and Conversion*. Woodhead Publishing, 2021. 285-308
- [9] Transport Policy Homepage, <https://www.transportpolicy.net/standard/india-fuels-diesel-and-gasoline/>, last accessed 2022/05/10
- [10] Advanced Motor Fuel, https://www.iea-amf.org/content/fuel_information/diesel_gasoline, last accessed 2022/05/10.
- [11] <https://www.acko.com/auto/difference-between-bsiv-bsvi-engine-bs4-bs6-performance/>, last accessed 2022/05/11.
- [12] Akash Modi, Azharul Haque, Bhanu Pratap, Ish Kumar Bansal, Prasoon Kumar, S Saravanan, M Senthil Kumar, C Kumar. "A Review on Air Preheater Elements Design and Testing." *Mechanics, Materials Science & Engineering Journal* (2017)

- [13] Testing Autos, https://www.testingautos.com/car_care/car-heating-system.html, last accessed 2022/05/10
- [14] Jacobs, Timothy J. "Waste heat recovery potential of advanced internal combustion engine technologies." *Journal of Energy Resources Technology* 137.4 (2015).
- [15] Armstead, John R., and Scott A. Miers. "Review of waste heat recovery mechanisms for internal combustion engines." *Journal of Thermal Science and Engineering Applications* 6.1 (2014).
- [16] Jadhao, J. S., and D. G. Thombare. "Review on exhaust gas heat recovery for IC engine." *International Journal of Engineering and Innovative Technology (IJEIT)* 2.12 (2013).
- [17] Bari, Saiful, and Shekh N. Hossain. "Waste heat recovery from a diesel engine using shell and tube heat exchanger." *Applied Thermal Engineering* 61.2 (2013): 355-363.
- [18] Nadaf, S., and P. Gangavati. "A review on waste heat recovery and utilization from diesel engines." *Int. J. Adv. Eng. Technol* 31 (2014): 39-45.
- [19] Wang, Tianyou, et al. "Analysis of recoverable exhaust energy from a light-duty gasoline engine." *Applied Thermal Engineering* 53.2 (2013): 414-419.
- [20] Choi, Kyungwook, Kibum Kim, and Kihyung Lee. "Effect of the heat exchanger in the waste heat recovery system on a gasoline engine performance." *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering* 229.4 (2015): 506-517.
- [21] Koshy, Alvin P., et al. "Exhaust gas waste heat recovery and utilization system in IC engine." *Int. J. for Innovative Res. in Sci. & Technol* 1.11 (2015): 392-400.
- [22] Taru, Mr Akshay V., et al. "Fabrication and Analysis of Waste Heat Recovery System from Automobile Vehicle for Refrigeration Effect." *Global Research and Development Journal for Engineering* (2016): Volume 2.
- [23] Mathew, Reji, Alan S. Chackalayil, and Feizal Fidus. "Optimization of Curved Finned-Tube Heat Exchangers for Diesel Exhaust Waste Heat Recovery using CFD." *Global Research and Development Journal for Engineering* (2017): Volume 2, Issue-6
- [24] Bari, S., and S. N. Hossain. "Design and optimization of compact heat exchangers to be retrofitted into a vehicle for heat recovery from a diesel engine." *Procedia Engineering* 105 (2015): 472-479.
- [25] Thakar. R, Bhosle. S, and Lahane. S. "Design of heat exchanger for waste heat recovery from exhaust gas of diesel engine." *Procedia Manufacturing* 20 (2018): 372-376.

- [26] Schwitzer, “Introduction To Turbochargers”, Schwitzer Turbochargers, Indianapolis, Indiana (1991)
- [27] Malcolm W. Chase, Jr. NIST-JANAF Thermochemical Tables. Washington, DC : New York :American Chemical Society ; American Institute of Physics for the National Institute of Standards and Technology, 1998
- [28] Zhang X, Chau KT, “An automotive thermoelectric–photovoltaic hybrid energy system using maximum power point tracking,” *Energy Conversion and Management* (2011): s641–7.
- [29] Strohl, G. Ralph and Sissom, Leighton E.. “Thermionic power converter”. Encyclopedia Britannica, (2015)
- [30] Datas, Alejandro, and Rodolphe Vaillon. “Thermophotovoltaic energy conversion.” *Ultra-High Temperature Thermal Energy Storage, Transfer and Conversion*. Woodhead Publishing, 2021. 285-308.
- [31] Pulkrabek, Willard W. “Engineering fundamentals of the internal combustion engine.” (2004): 198-198.
- [32] Desmond E. Winterbone, Ali Turan, “Engine Cycles and their Efficiencies”, *Advanced Thermodynamics for Engineers (Second Edition)*, (2015): 35-59.
- [33] Charles L. Proctor, “Internal Combustion Engines”, *Encyclopedia of Physical Science and Technology (Third Edition)*, Academic Press. (2003): 33-44.
- [34] Vundela Siva, Reddy, et al. “An approach to analyse energy and exergy analysis of thermal power plants: a review.” *Smart Grid and Renewable Energy* (2010).
- [35] Ibrahim Dincer, Yusuf Bicer, “Integrated Energy Systems for Multigeneration”, *Elsevier*, (2020): 33-83.
- [36] Schwitzer, “Introduction To Turbochargers”, Schwitzer Turbochargers, Indianapolis, Indiana (1991)
- [37] Elie Tawil, P. E. “Heat Exchangers.” (1993).
- [38] Sharma, Vikas, et al. “Design and Fabrication of Air Preheater for Diesel Engine.” *Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering*. Springer, (2014): 261-267.
- [39] Jouhara, Hussam & Khordehgah, Navid & Almahmoud, Sulaiman & Delpech, Bertrand & Chauhan, Amisha & Tassou, Savvas, “Waste Heat Recovery Technologies and Applications”. *Thermal Science and Engineering Progress*. (2018).

- [40] Akash Modi, Azharul Haque, Bhanu Pratap, Ish Kumar Bansal, Prasoon Kumar, S Saravanan, M Senthil Kumar, C Kumar. "A Review on Air Preheater Elements Design and Testing." *Mechanics, Materials Science & Engineering Journal* (2017).
- [41] Urieli, Israel. "Engineering Thermodynamics A Graphical Approach." 2010 Annual Conference & Exposition. 2010.
- [42] Sharma, Vikas, et al. "Design and Fabrication of Air Preheater for Diesel Engine." *Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering*. Springer, New Delhi, 2014. 261-267.
- [43] Jadhao, J. S., and D. G. Thombare. "Review on exhaust gas heat recovery for IC engine." *International Journal of Engineering and Innovative Technology (IJEIT)* Volume 2 (2013).
- [44] Mallikarjuna, V., N. Jashuva, and B. Rama Bhupal Reddy. "Improving boiler efficiency by using air preheater." *International Journal of Advanced Research in Engineering and Applied Sciences* 3.2 (2014): 11-24.
- [45] Meena, Bihari Lal, and Mohd Yunus Sheikh. "Performance Analysis and Optimization of Air Preheater in Thermal Power Plant." (2017).
- [46] Hesselgreaves, John E., Richard Law, and David Reay. "Compact heat exchangers: selection, design and operation". Butterworth-Heinemann, 2016.
- [47] Bonafoni, Giacomo, and Roberto Capata. "Proposed design procedure of a helical coil heat exchanger for an orc energy recovery system for vehicular application." *Mechanics, Materials Science & Engineering Journal* (2015).
- [48] Sikandar, Muhammad Usman. "Design of helical coil heat exchanger for a mini powerplant." *International Journal of Scientific & Engineering Research* 10 (2019).
- [49] Venkateswarlu Chintala, Suresh Kumar and Jitendra K Pandey, "A technical review on waste heat recovery from compression ignition engines using Organic Rankine Cycle', *Renewable and Sustainable Energy Reviews*, 2018, vol. 81, pp. 493–509.
- [50] Seyedkavoosi, Seyedali, SaeedJavan, and Krishna Kota. "Exergy-based optimization of an organic Rankine cycle (ORC) for waste heat recovery from an internal combustion engine (ICE)." *Applied Thermal Engineering* 126 (2017): 447-457.
- [51] Ranganayakulu, Chennu, and Kankanhalli N. Seetharamu. *Compact heat exchangers: Analysis, design and optimization using FEM and CFD approach*. John Wiley & Sons, 2018.
- [52] Reddy, A. Vamshikrishna, et al. "Energy and exergy analysis of IC engines." *The International Journal of Engineering and Science* 3.5 (2014): 7-26.