

DAFTAR PUSTAKA

- Anjas, U. D., & Kartawidjaja, M. A., (2025). Penerapan Preventive *Maintenance* Alat Berat di PT Madhani Talatah Nusantara Jobsite Tanjung Enim. In *Jurnal Praktik Keinsinyuran* (Vol. 2, Number 5).
- Caterpillar. (2021). *Caterpillar Performance Handbook*.
- Caterpillar. (2022). *Scan to access the latest service information, purchase additional media, and buy genuine Cat ® parts. Special Publication For All 3500 Series, C175, and smaller Commercial Diesel Engines Cat Commercial Diesel Engine Fluids Recommendations*.
- Caterpillar. (2025). *Scan to find and purchase genuine Cat ® parts and related service information. Special Publication For All 3500 Series, C175, and smaller Commercial Diesel Engines Operation and Maintenance Manual Cat Commercial Diesel Engine Fluids Recommendations*.
- Eka, A. A., Hastuti, P. R., & Legawati, L., (2025). Tantangan Implementasi Program B40 di Indonesia: Tinjauan Teknis dan Ketersediaan Bahan Baku Biodiesel. *Desember, 12(2)*, 387–393.
- Fadly, E. R., & Pakan, Y. (2021). *LPPM Politeknik Saint Paul Sorong 33* (Vol. 6, Number 1).
- Farras, F., Azzahra, A., & Dewi, A. K. (2024). Pengaruh Kontaminasi Produk Biosolar (B30) oleh Produk Pertamina. *Jurnal Nasional Pengelolaan Energi MigasZoom*, 6(2), 111–118. <https://doi.org/10.37525/mz/2024-2/446>
- Haramkar, S. S., Thombre, G. N., Jadhav, S. V., & Thorat, B. N. (2021). The influence of particle(s) size, shape and distribution on cake filtration mechanics-a short review. In *Comptes Rendus Chimie* (Vol. 24, Number 2, pp. 255–265). Academie des sciences. <https://doi.org/10.5802/CRCHIM.84>
- Haryono, I., Suryantoro, M. T., Rochmanto, B., Kurniawan, A., Rohman, A. T., Ma'ruf, M., Setiaprada, H., Yuwono, T., Fuad, N. M., & Riswandi, E. (2023). An Effective Three Level Filtration System for Improved Contaminant Removal in High Ratio Biodiesel Blends. *Evergreen*, 10(3), 1633–1641. <https://doi.org/10.5109/7151711>
- Husni. (2013). *Engine Management System (EMS)*. www.vedcmalang.com

- Kementrian ESDM. (2020). *Peningkatan Dan Pemanfaatan Biofuel*.
- Kusumo, A. T. H., H. Triwuryanto, Maulana, R., & Novita Sari, S. (2022). 3084-
Article Text-9238-1-10-20220811.
- Łagowski, P., Wcisło, G., & Kurczyński, D. (2024). Study of Combustion Process
Parameters in a *Diesel Engine* Powered by Biodiesel from Waste of Animal
Origin. *Energies*, 17(23).
- Longanesi, L., et al. (2021). *Oxidative Stability of Biodiesel: Recent Insights*.
Biofuels, Bioproducts and Biorefining, 15(6), 1600–1622.
- Malyuditius, Z. A. M. S, M., Pramudhita, T., M., Malyuditius, Z. M., & Sitompul,
M. A., (2025). *Indonesian Journal of Marine Engineering Analisis*
Bercampurnya Minyak Lumas Rocker Arm dengan Bahan Bakar Pada
Auxiliary Engine Daihatsu 6DL-20 di MV. Lady Cedros Analysis of Mixing of
Rocker Arm Lubricating Oil with Fuel on Daihatsu 6DL-20 Auxiliary Engine
in MV. Lady Cedros.
- Marsudi, S., & Yanti, D. A. W. (2025). The Impact of *Fuel* Quality on the
Performance and *Maintenance* of the Ship's Main *Engine*. *Jurnal Aplikasi*
Pelayaran Dan Kepelabuhanan, 16(1), 154–162.
<https://doi.org/10.30649/japk.v16i1.185>
- Nisrina, S. (2024). *Pengaruh Penggunaan Filter Kidney Loop Terhadap Kualitas*
Bahan Bakar Energi Terbarukan Biodiesel B35.
- Paryanto, I., Budianta, I. A., Alifia, K. C. H., Hidayatullah, I. M., Darmawan, M.
A., Judistira, Prakoso, T., Indarto, A., & Gozan, M. (2022a). Modelling of *Fuel*
filter Clogging of B20 *Fuel* Based on the Precipitate Measurement and *Filter*
Blocking Test. *ChemEngineering*, 6(6).
<https://doi.org/10.3390/chemengineering6060084>
- Paryanto, I., Budianta, I. A., Alifia, K. C. H., Hidayatullah, I. M., Darmawan, M.
A., Judistira, Prakoso, T., Indarto, A., & Gozan, M. (2022b). Modelling of *Fuel*
filter Clogging of B20 *Fuel* Based on the Precipitate Measurement and *Filter*
Blocking Test. *ChemEngineering*, 6(6).
<https://doi.org/10.3390/chemengineering6060084>

- Peurifoy Robert L., Schexnayder Robert, Schmitt, & Aviad Shapira. (2018). *985419795-Construction-Planning-Equipment-and-Methods-Ninth-Edition-9th-Edition-Peurifoy-PDF*.
- Pramudito, Y., Fathurrahman, N. A., Auzani, A. S., Wibowo, C. S., Anggarani, R., Soemanto, A., & Sugiarto, B. (2023). Comparative analysis of *filterability* behavior of B30 and B40 *biodiesel* blends on various porosity and dimension of *fuel filter*. *International Journal of Renewable Energy Development*, 12(4), 760–767. <https://doi.org/10.14710/ijred.2023.52801>
- Atmaja, S. D., Damayanti, T. A., Utomo, S. I., Prasetya, W. H., & Firjatullah, A. A., (2025a). Analyzing The Use Of B35 *Biodiesel* On The Distance And *Fuel filters* Lifetimes For Locomotives Cc201 And Cc203. In *Journal of Railway Transportation and Technology* (Vol. 4, Number 1).
- Hidayat, S. T., & Purwoko. (2024). Pengaruh Penggunaan *Filter* pada Strainer Terhadap Usia Pakai *Filter* Bahan Bakar Mesin *Diesel* 6374 CC. *Jurnal Teknik Mesin, Industri, Elektro Dan Informatika*, 3(2), 146–158. <https://doi.org/10.55606/jtmei.v3i2.3793>
- Tang, J., Zhu, G. G., & Men, Y. (2022). Review of *engine* control-oriented combustion models. In *International Journal of Engine Research* (Vol. 23, Number 3, pp. 347–368). SAGE Publications Ltd. <https://doi.org/10.1177/1468087421992955>
- Tarigan, J. B. B., Akbar, A., Fauzi, R., Simanjuntak, J. R., Sinaga, S. R. H., & Paundra, F. (2025). Pemeliharaan Korektif Pada Kerusakan Bogie Pada Bucket Wheel *Excavator*. *JURNAL ALAT BERAT*, 2(2), 89–97. <https://doi.org/10.32487/jab.v2i2.40>
- Tarumingkeng, R. C. (2024). *Oleh*.
- Thangamani, S., Sundaresan, S. N., Kannappan S., S., Barawkar, V. T., & Jeyaseelan, T. (2021). Impact of *biodiesel* and *diesel* blends on the *fuel filter*: A combined experimental and simulation study. *Energy*, 227. <https://doi.org/10.1016/j.energy.2021.120526>
- Wirawan, S. S., Solikhah, M. D., Setiaprada, H., & Sugiyono, A. (2024). *Biodiesel* implementation in Indonesia: Experiences and future perspectives. In

Renewable and Sustainable Energy Reviews (Vol. 189). Elsevier Ltd.
<https://doi.org/10.1016/j.rser.2023.113911>

Xin, Q. (2011). *The analytical design process and diesel engine system design*.
<https://doi.org/10.1533/97808570908361.3>

Yu, W., Zhang, Z., & Liu, B. (2021). Investigation on the performance enhancement and emission reduction of a *biodiesel fueled diesel engine* based on an improved entire *diesel engine* simulation model. *Processes*, 9(1), 1–18.
<https://doi.org/10.3390/pr9010104>

Zhang, Y., Zhong, Y., Lu, S., Zhang, Z., & Tan, D. (2022). A Comprehensive Review of the Properties, Performance, Combustion, and Emissions of the *Diesel Engine Fueled* with Different Generations of Biodiesel. In *Processes* (Vol. 10, Number 6). MDPI. <https://doi.org/10.3390/pr10061178>