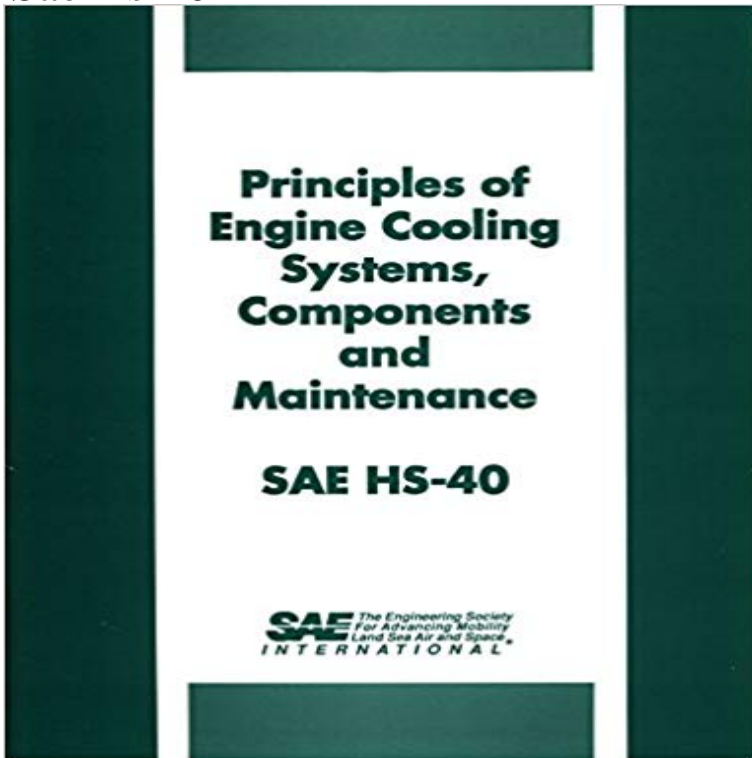


Principles of Engine Cooling Systems, Components and Maintenance, Sae Hs-40



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and maintenance, (Society of (Wiley Interscience, New York). The cooling systems of modern Diesel engines have to perform a number of the vehicle in addition to maintaining the thermal integrity of the engine structure. . This is also referred to as critical component temperature control (CCTC) [10]. . of 7% when using SAE 5W oil instead of SAE 10W (equivalent to a 33% . Keywords: Cooling System, Diesel Engine, Computational Fluid Dynamics (CFD) , Working Principle of Conventional Cooling Systems. 11 .. Figure Effect of Surface Roughness, Heat Flux [kW/m²] vs. Surface Temperature [°C]. (Hawley et al. Systems, Components and Maintenance, SAE,).

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