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An experimental and theoretical investigation on the effects of adding hybrid nanoparticles on heat transfer efficiency and pumping power of an oil-based nanofluid as a coolant fluid

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Highlights

- Thermal conductivity of the nanofluid increased with increasing solid concentration
- The maximum increase in thermal conductivity was approximately 65 %
- The nanofluid is highly efficient in heat transfer applications
- The pumping power increased as the solid concentration increased

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