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Experimental investigation on heat transfer characteristics of two-phase propane flow condensation in shell side of helically baffled shell-and-tube condenser

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Highlights

- New condensation data for helically baffled shell-and-tube condenser were obtained.
- Flow condensation heat transfer characteristics of propane were analyzed.
- Flow patterns of propane in shell side of shell-and-tube condenser were observed.
- A heat transfer correlation with good accuracy was proposed.

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