

Accepted Manuscript

Experimental study of the heat transfer characteristics of a paraffin-in-water emulsion used as a secondary refrigerant

Virginia Vasile , Horia Necula , Adrian Badea , Rémi Revellin ,
Jocelyn Bonjour , Phillipe Haberschill

PII: S0140-7007(17)30483-8
DOI: [10.1016/j.ijrefrig.2017.11.029](https://doi.org/10.1016/j.ijrefrig.2017.11.029)
Reference: IJIR 3836



To appear in: *International Journal of Refrigeration*

Received date: 30 June 2017
Revised date: 7 November 2017
Accepted date: 25 November 2017

Please cite this article as: Virginia Vasile , Horia Necula , Adrian Badea , Rémi Revellin ,
Jocelyn Bonjour , Phillipe Haberschill , Experimental study of the heat transfer characteristics of
a paraffin-in-water emulsion used as a secondary refrigerant, *International Journal of Refrigeration*
(2017), doi: [10.1016/j.ijrefrig.2017.11.029](https://doi.org/10.1016/j.ijrefrig.2017.11.029)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Experimental study of a 30% paraffin-in-water emulsion ;
- Evaluation of the thermophysical properties ;
- Total heat capacity two times higher than water in the same temperature range ;
- Investigation of convection heat transfer coefficients ;
- Convection heat transfer coefficients higher than water.

Download English Version:

<https://daneshyari.com/en/article/7175293>

Download Persian Version:

<https://daneshyari.com/article/7175293>

[Daneshyari.com](https://daneshyari.com)