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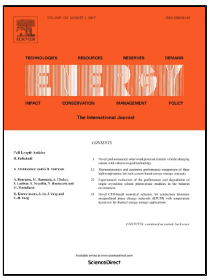

Simulation research on a variable-lift absorption cycle and its application in waste heat recovery of combined heat and power system

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PII:	S0360-5442(17)31508-6
DOI:	10.1016/j.energy.2017.09.002
Reference:	EGY 11496
To appear in:	*Energy*
Received Date:	25 May 2017
Revised Date:	05 August 2017
Accepted Date:	02 September 2017

Please cite this article as: Tianle Hu, Xiaoyun Xie, Yi Jiang, Simulation research on a variable-lift absorption cycle and its application in waste heat recovery of combined heat and power system, *Energy* (2017), doi: 10.1016/j.energy.2017.09.002

Highlights

1. A variable-lift absorption cycle and an improved cycle based on it are proposed.
2. The lift number of novel cycles can be tuned by simply controlling the valves.
3. The novel cycles work efficiently when return water temperature of PHN varies.
4. The novel cycles show obvious energy saving and emission reduction potential.