

Supporting Information for

Construction and Commissioning of a Continuous Reactor for Hydrothermal Liquefaction

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Table S1. DDGS characterization.

Component	Amount (wt%)
<i>Gross composition</i> ²⁸	
Crude fat	11.9 ± 0.1
Protein	31.3 ± 0.1
Crude fiber	10.2 ± 1.2
Acid detergent fibers	17.2 ± 1.2
Ash	4.6 ± 0.2
Starch	5.1 ± 0.3
<i>Elemental composition</i> ⁵	
C	43.83 ± 0.05
H	6.77 ± 0.02
N	5.37 ± 0.02
O	34.15 ± 0.59
S	1.07 ± 0.10
P	0.95 ± 0.09
Na	0.41 ± 0.07
K	1.26 ± 0.10
Mg	0.29 ± 0.03
Ca	0.19 ± 0.09
Fe	0.010 ± 0.001

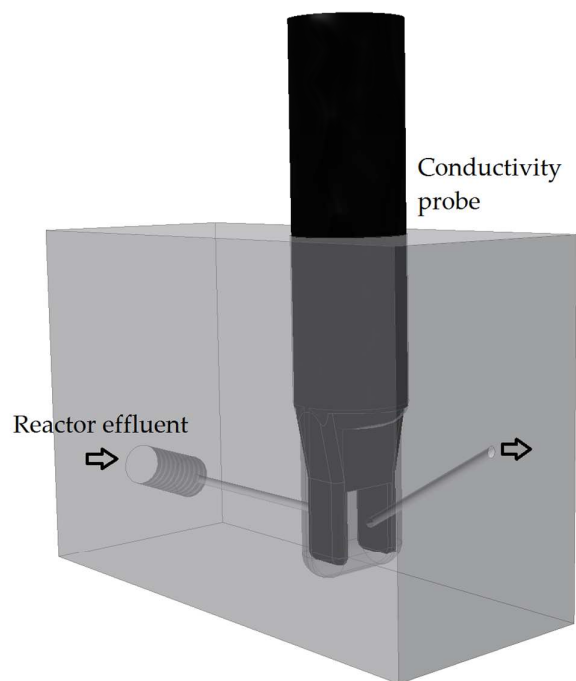


Figure S1. RTD flow cell.

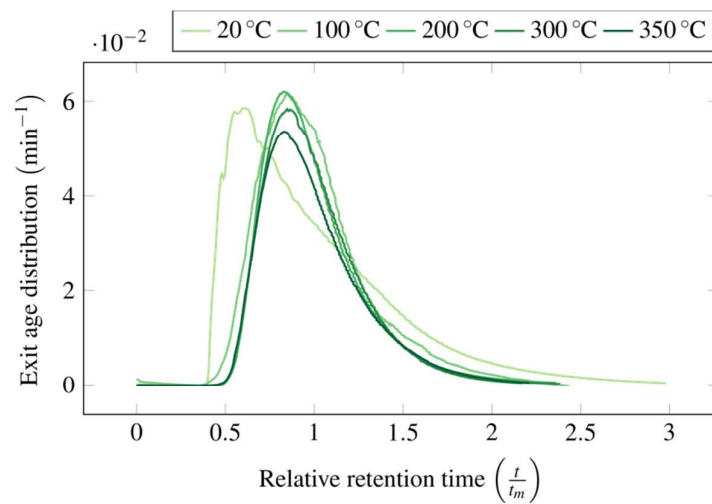


Figure S2. Actual time relative to mean residence time.

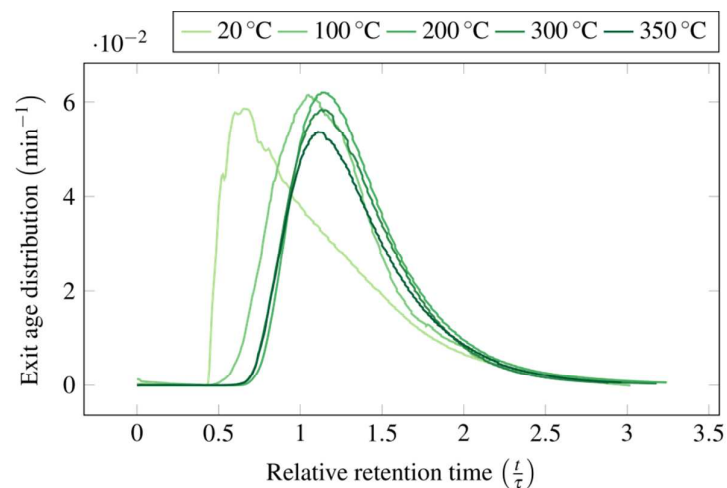


Figure S3. Actual time relative to space time.

Table S2. General analyses of the oil and aqueous products.

Property	Value
<i>Oil</i>	
Moisture, %	8.73 ± 0.19
Viscosity, Pa·s (40 °C)	3.51 ± 0.17
HHV, MJ kg ⁻¹	35.28 ± 0.28
Energy recovery, %	68.96 ± 5.72
<i>Aqueous</i>	
pH	8.25

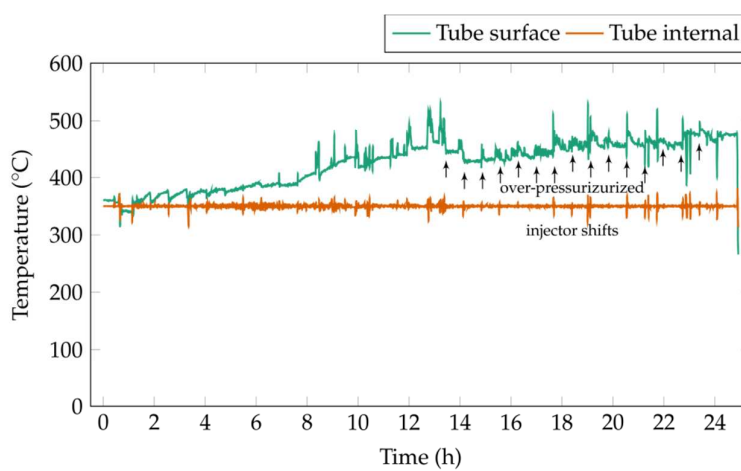


Figure S4. Ash layer build-up in the induction heater.