

Supplementary Materials: Influence of bio-oil phospholipid on the hydrodeoxygenation activity of NiMoS/Al₂O₃ catalyst

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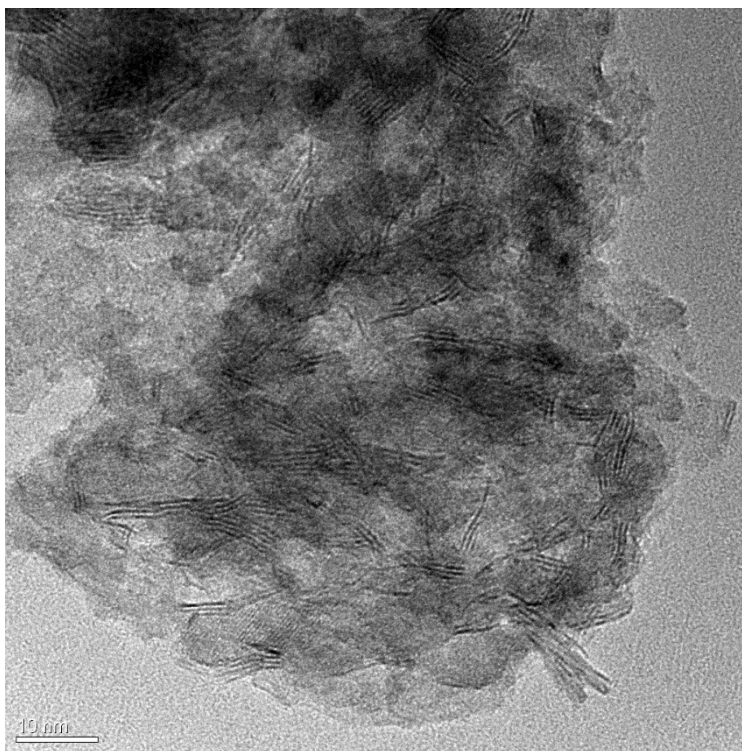


Figure S1. BF-TEM micrograph of the catalyst collected from the baseline experiment (NiMo_0 PC) without PC.

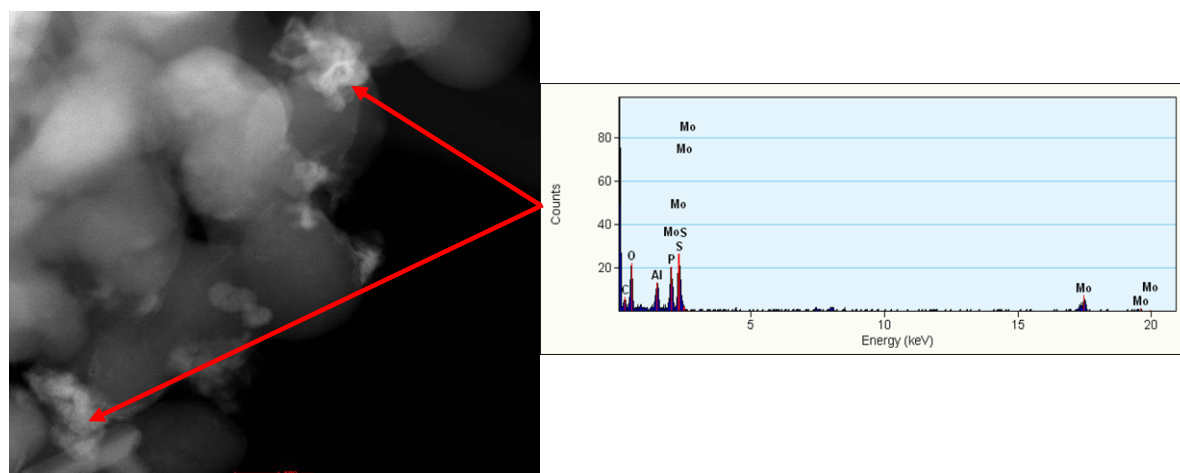


Figure S2. TEM-EDX data: The brighter areas show signal from Mo but no Ni.

Table S1. Measurement of carbon (C) and hydrogen (H) content (wt.%) of the recovered catalyst by TPO

Catalyst	Region A (200-300°C)			Region B (300-600 °C)			Total	
	C	H	C/H	C	H	C/H	C	H
NiMo_0 PC	1.5	0.6	2.5	3.1	0.7	4.4	4.6	1.3
NiMo_0.4PC	2.1	0.5	4.2	3.4	0.5	6.8	5.5	1.0
NiMo_0.9 PC	2.1	1.0	2.1	4.5	0.9	5.0	6.6	1.9
NiMo_1.3 PC	2.5	0.7	3.6	5.2	0.4	13.0	7.7	1.1
NiMo_R_0 PC	2.3	0.6	3.8	6.5	0.4	16.3	8.8	1.0
NiMo_R_0.4 PC	2.2	0.6	3.7	4.4	0.6	7.3	6.6	1.2