

Supplementary file

New insights on rock alteration by oil: An *in-situ* investigation at the nano-scale using atomic force microscopy

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Appendix

Table 1. Density, viscosity, TAN, TBN and Sara fractions for the 3 crudes used in this study.

	density ρ/kgm^{-3}	viscosity η/cp	TAN mgKOH/g	TBN mg/kg	sat	aro	res	asp
crude A	0.8339	4.8731	0.07	83.9	58.45	36.92	4.36	0.28
crude B	0.9347	88.425	1.37	320	37.27	48.45	14.21	0.07
crude C	0.8592	9.4672	0.09	270.6	44.00	44.00	9.69	2.31