

Supplementary Material

New insights into abnormal combustion phenomena induced by diesel spray-wall impingement under engine-relevant conditions

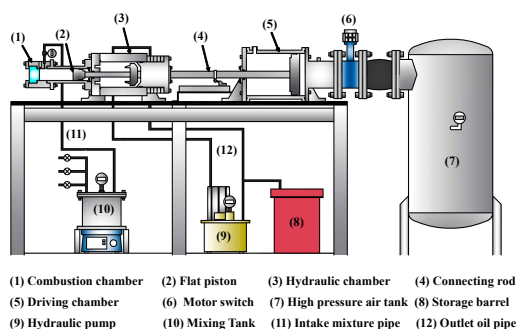


Figure S1. Schematic of high-strength optical rapid compression machine setup.

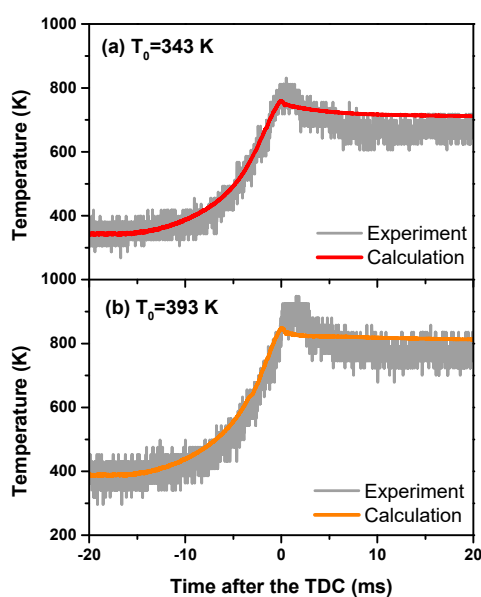


Figure S2. Temperature comparisons between instantaneous temperature measurement and “adiabatic core” hypothesis

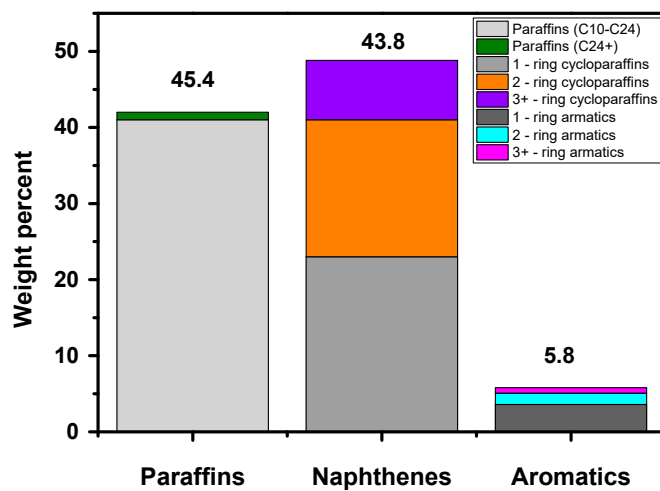


Figure S3. Wight percent of various hydrocarbon classes for straight-run diesel.

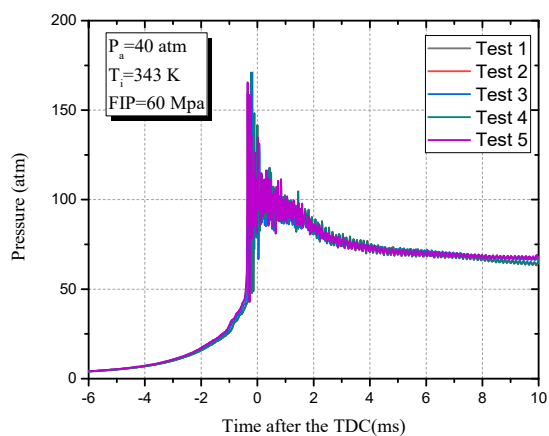


Figure S4. Pressure traces for experimental repeatability of abnormal combustion cycles.