**Table S1.** Technical Specifications of the Test Engine

|  |  |
| --- | --- |
| **Type** | **MIT-186FE** |
| Injection system | Direct injection |
| Cylinder number | 1 |
| Stroke volume  | 418 cm3 |
| Maximum power  | 10 HP |
| Maximum engine speed  | 3,000 rpm |
| Cooling type | Air cooling |
| Compression ratio | 18/1 |
| Fuel volume | 5.5 L |