

#### 4. Features of 1CD-FTV Engine with D-CAT

The components of the 1CD-FTV engine with D-CAT feature the following characteristics:  
clean emission and low noise and vibration.

(1) Clean emission

(2) Low noise and vibration

Item		(1)	(2)
Intake and Exhaust System	Rotary type diesel throttle valve	○	
	Linear solenoid type EGR valve	○	
	Catalyst for EGR cooler	○	
	Countermeasure against exhaust gas leakage associated with the addition of the exhaust fuel addition injector and performance improvement.	○	
	Tandem catalysts for exhaust manifold converter	○	
Fuel System	Exhaust fuel addition injector	○	
	Flow damper at supply pump		○
Engine Control System	Differential pressure sensor	○	
	Exhaust gas temperature sensor	○	
	Air Fuel Ratio Sensor	○	