



CEC Test Methods and Publications For Sale

Fuels

CEC Code Number	Description	Issue	Realease Date	Available Format	Price in Euro
CEC F-110-16 (S)	Internal Diesel Injector Deposit Test	3	10 February 2017	Electronic	18405

(U): These publications are not supported by a CEC Working Group and will not be updated. Only limited copies of methods in paper format are available.

(S): Sponsored Test Method. Pricing per CEC Constitution Guideline 17.

(F): Free to Existing Test Method Holders

Synopsis

Hardware: A PSA DW10C, 4 cylinders, 1997 cm³, direct injection, turbocharged diesel

Test: the IDID DW10C test was developed to be able to discriminate between a fuel that produces no measurable deposits and one which produces deposits that cause startability issues considered unacceptable by OEMs. The objective of the test is to discriminate between fuels that differ in their ability to produce IDID in direct injection common rail diesel engines. These deposits differ from injector nozzle coking based on the location of the deposits and on their effects on engine performance.

The test procedure consists of alternating sequences of soak periods followed by cold starts preceding main run cycles of engine operation. Each main run lasts 6 hours and consist in a succession of 5 min /1000 rpm / 10-15 N.m and 25 min./3.750 rpm /110 kW phases.

CEC Target parameters:

Auxiliary parameters:

Specifications:

Major purpose of the group: Maintain and improve the test precision of the test