



www.cectests.org



CEC develops procedures to test performances of fuels, lubricants and other fluids. This is the European organization considered as an international reference and agreed by more than fifty car manufacturer, gas companies and oil producers.

1) Diesel engines:

For Diesel engines, procedure CEC F-23-A-01 controls the formation of deposits on the injector nozzles of an indirect injection diesel engine (PSA Peugeot XUD9 – A/L 4 cylinders – 1.9 l).

These two consecutive tests have been performed by the English laboratory **Prodrive** on July 17 and 18, 2005 under control of Garry Polkinghorne.

Nozzle cocking level must be comprised between 85% and 95% to be officially recognized by the companies mentioned in page two: **Xbee** enzyme technology makes the fuel at 92% and 91% respectively within only 10 hours.

2) Gasoline engines:

For Gasoline engines, procedure CEC F-05-A-93 evaluates the formation of carbon deposits on the intake valves of an injection gasoline engine (Mercedes-Benz M102.982 – 4 cylinders – 4 strokes – 2.3 l), equipped with Bosch KE-Jetronic fuel injection equipment.

As the first test, this one has been performed by the English laboratory **Prodrive** on July 22, 2005 under the same control.

Inlet valve deposits level must be comprised between 4.5 (extremely heavy) and 10 (clean) to be officially recognized by the below mentioned professional associations: **Xbee** enzyme technology makes the fuel at 8.07 in only 60 hours, i.e. 287 mg in average (lowest at 215 mg) against 314.25 mg for the same fuel in the same engine without **Xbee**.



www.acea.be

www.atiel.org

www.atc-europe.org

www.atc-europe.org

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The following pictures are screen shots of the ACEA and Atiel web sites.



The screenshot displays two overlapping web pages. The top page is the ACEA (European Automobile Manufacturers' Association) website, featuring a navigation menu, a search bar, and several news articles. The bottom page is the Atiel website, which lists its members, including major oil companies like BP, Shell, and Total.

ACEA Website Content:

- Logo:** ACEA EUROPEAN AUTOMOBILE MANUFACTURERS' ASSOCIATION
- Navigation:** HOME, PRESS ROOM, STATISTICS, PUBLICATIONS, EVENTS, ABOUT US, CONTACT US
- Search:** Search article
- Menu:** CO2 EMISSIONS, ENVIRONMENTAL TRACK RECORD, ROAD SAFETY, COMPETITIVENESS, INDUSTRY AND ECONOMY, REGULATION AND STANDARDS, TAXATION, TRADE, INTELLECTUAL PROPERTY, RESEARCH AND DEVELOPMENT, FUELS, ECO-DRIVING, REACH, TRANSPORT AND MOBILITY, TRUCKS, VANS AND BUSES, ACEA MEMBERS, COUNTRY PROFILES, EUCAR WEBSITE
- OUR MEMBERS:** BMW Group, DAF, DAIMLER, FIAT GROUP, Ford, GM, INGENIA, PSA Peugeot Citroën, RENAULT, SCANIA, TOYOTA, VOLKSWAGEN, VOLVO
- Articles:**
 - THE AUTOMOTIVE INDUSTRY: A MOST IMPORTANT EMPLOYER** (14/10/2008): European Commission President Barroso highlights the importance of the car industry as one of the most important employers on the continent.
 - FALL-OUT OF FINANCIAL CRISIS ADDS TO PRESSURE ON AUTO INDUSTRY** (14/10/2008): A deepening global slowdown along with gloomy growth prospects and tumbling consumer confidence.
 - REDUCING CO2 EMISSIONS -- LATEST** (18/11/2008): Challenge for advertising...
 - FOCUS: ENVIRONMENT** (18/11/2008): Cars, Trucks and the Environment. Using limited resources responsibly and protecting our environment...
 - FOCUS: ROAD SAFETY** (18/11/2008): Partners in eSafety Aware. A lack of awareness hinders "eSafety" in Europe.
 - LATEST PRESS RELEASES:** 18/11/2008 Challenge for advertising... 14/11/2008 PASSENGER CARS: Register... 04/11/2008 New EU member states pro... forward to improving environmental pro... 03/11/2008 Free trade agreement with mutual benefit and fair market access.
 - LATEST WEBSITE UPDATES:** 26/10/2008 What is CARS 21 and why is it important? 14/10/2008 Fall-out of financial crisis adds to pressure on auto industry 22/07/2008 Directive recognises importance of making roads safer 07/07/2008 ACEA Competitiveness Award 2008 for graduate Klara Witkowska
- TOP ISSUES:** CARS 21 -- better regulation for increased competitiveness; ECO-DRIVING -- or how drivers can make a difference

Atiel Website Content:

- Logo:** atiel
- Section:** List of Members
- Text:** The ATIEL membership encompasses all their European companies, with their extensive experience in the manufacture and marketing of engine oils.
- Members List:**

	BPCastrol
	CEPSA
	Chevron
	ENI
	ExxonMobil
	FIATCIPRA
	Fuchs
	GALP
	Kawati Petroleum
	OILFIN
	LUKOIL
	REPSOL
	Shell
	Stafol Lubrificants
	Total
	Unon Independente de l'Industria Europeana des Lubrificants
	Valvoline
- CO2 CALCULATOR:** How much does your car emit? (A, B, C scale)