Engine Test Life Plan & New Test Developments

CEC Special Planning Event, 22nd November 2011

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The <u>Co-ordinating European Council</u> for the development of performance tests for transportation fuels, lubricants and other fluids

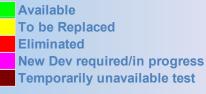
The Coordinating European Council

for the Development of Performance Tests for Fuel, Lubricants and other Fluids

Engine Life Plan

Engine	Test Method	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
DV4TD	L-93-04														
OM646	L-99-08														
OM501LA	L-101-09														
DW10	F-98-08														
M102E	F-05-93														
VW WaterBoxer	F-16-96														
M111 EVO	F-20-98														
XUD9	F-23-01														
TU3	L-38-94														
M111 FE	L-54-96														
VW Tdi	L-78-99														
TU5	L-88-02														
OM646 DE 22LA	(L-104-??)														
DV6	(L-106-??)														

Available in Member's section of the CEC website: http://www.cectests.org/extranet/info_/g001/lifeplan.pdf





Thank you!

- ACEA members supply these key engine tests
- Long history of support from set
 - Daimler
 - PSA
 - -VW

Tests with Limited Lifetimes

Lifetime extended by new camshalt batch

2013

DV4TD (L-93-04)

1-38-0

- DV6 replacement under development (L-106)
- OM501LA (L-101-09)
 - Lifetime could be extended, but action needed
- TU5 (L-88-02)
 - Action needed

Engine Tests Under Discussion

Lubricant Tests

- M111 Sludge Test replacement
 - Daimler have offered the M271 EVO engine
- TU3S wear test, TU5 oxidation test and OM501LA
 - Tests nearing the end of their life, initial discussion on replacements

Fuels Tests

- IDID Test
 - Proposal based on PSA DW10C engine
 - Template and Terms of reference in development
- Cold startability
 - Discussion only

Test Proposal Development Template and Terms of Reference

- CEC Template
 - Covers need, OEM support etc.
 - Ensures CEC checks that it should be developing a test

erms of Reference Document for DV4 replacement test.

Prelopment using DV6CTED Eur

- CEC Terms of Reference
 - Outline plan for test development with objectives
 - Clarifies what is already fixed and what the group needs to investigate
 - Used as basis for tenders for the lead laboratory

Test Proposal Development Role of AAA/AAC

- AAA and AAC are fora for technical discussions between Industry Associations
- Facilitate discussions on new test development requirements
- Formalise
- Source of e Reference



1B for test development

Template and Terms of

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Challenges

- Significant number of new tests, including bench tests
- Impact on industry resources
 - Test laboratory capacit
- US industry also needs to develop new tests for GF-6/PC-11
 - Increases the impact of resource issues
 - Opportunity for coordination of test development?
- Need to identify suitable engines and OEMs willing to support these engines

Presented on behalf of the CEC Management Board