

GREEN POWER
Feeds Your Engine



2nd VegOil

Demonstration of 2nd Generation Vegetable Oil Fuels in Advanced Engines

**Workpackage WP4
Engine Oil Development**

**Deliverable N° 4.5:
Engine Oil Provision for
Tier 4 Engines**

Publishable

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1 Engine Oil Provision for Tier 4 Engines

During the second reporting period (August 2009 to June 2010) appropriate amounts of engine lubricant, suitable for Tier 4 engines, has been supplied to the various test facilities to allow them to conduct their field trial exercises.

The table below summarises the quantity of engine lubricant supplied to the various facilities. All lubricant deliveries for the second reporting period have been sent and received by the relevant test facility.

Test Location	Operator	Lubricant Type	Supply Month	Lubricant Quantity
Germany	JDWM (at TFZ)	ACEA E9	October 2009	25 litres
Germany	JDWM	ACEA E9	January 2010	40 litres
Austria	Waldland	ACEA E9	March 2010	130 litres
France	FR Cuma	ACEA E9	April 2010	60 litres

Notes

- ACEA E9 lubricant is coded as Lubrizol engine lubricant formulation OS240946
- ACEA E7 lubricant is coded as Lubrizol engine lubricant formulation OS241936
- JDMW = John Deere Werke Mannheim

2 Engine Lubricant Selection for Tier 4 Engines

The engine lubricant selected to be researched in the Tier 4 engines is an ACEA E9 capable lubricant. ACEA E9 lubricants are designed to be suitable for use in Heavy Duty Vehicles fitted with Diesel Particulate Filters (DPF). Please refer to Deliverable 4.1, Appendix A for a detailed explanation of ACEA E9 engine lubricants and the specifications that ACEA E9 engine lubricants are required to meet.

Appendix A

List of Acronyms

ACEA – European Automobile Manufacturers Association

E9 – An engine lubricant which meets the ACEA E9 engine lubricant specification