

**GREEN POWER**  
**Feeds Your Engine**



**2<sup>nd</sup> VegOil**

# **Demonstration of 2<sup>nd</sup> Generation Vegetable Oil Fuels in Advanced Engines**

**Workpackage WP4  
Engine Oil Development**

**Deliverable N° 4.11b:  
Lubricant Supply  
(inc. Base Oil, VM, Additive)**

**Publishable**

Version: 1.0

Hazelwood, 8<sup>th</sup> Jun 2010

prepared by: Lubrizol Ltd.

Simon Peal, Dr. Craig Jones

Lubrizol Limited

The Knowle, Hazelwood

GB Derbyshire DE 56 4AN

Tel.: +44 1332 842211

Fax.: +44 1773 551911

Email: [craig.jones@lubrizol.com](mailto:craig.jones@lubrizol.com)

Partner website : [www.lubrizol.com](http://www.lubrizol.com)

Project website : [www.2ndVegOil.eu](http://www.2ndVegOil.eu)



*This publication has been produced with financial support of the European Commission in the frame of the FP7 Seventh Framework Programme under the grant agreement N° TREN/FP7EN/219004/"2ndVegOil".*

*The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Communities. The European Commission is not responsible for any use that may be made of the information contained therein.*



---

## TABLE OF CONTENTS

1	LUBRICANT SUPPLY	Page 4
2	ENGINE LUBRICANTS SELECTION FOR THE 2 <sup>nd</sup> VEGOIL PROJECT	Page 8
	LIST OF ACRONYMS	Appendix A

## 1 Lubricant Supply

Appropriate amounts of engine lubricant were sent to the various test facilities to allow them to conduct their field trial exercises. The table below summarises the lubricant type and quantity of engine lubricant supplied during August 2009 to June 2010. 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 E7	August 2009	60 litres
		ACEA E9	October 2009	25 litres
Germany	JDWM	ACEA E7	January 2010	40 litres
		ACEA E9	January 2010	40 litres
Austria	Waldland	ACEA E7	March 2010	130 litres
		ACEA E9	March 2010	130 litres
France	FR Cuma	ACEA E7	April 2010	100 litres
		ACEA E9	April 2010	60 litres
Poland	Contractus	ACEA E7	December 2009	240 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 Lubricants Selection for 2<sup>nd</sup> VegOil Project

Please refer to Deliverable 4.11a Lubricant Supply (inc. Base Oil, VM, Additive) for a detailed explanation of the engine lubricants that are being researched as part of the 2<sup>nd</sup> VegOil project, including:

- details of the two engine lubricant formulations being researched
- Product Data Sheets for the two engine lubricants being researched
- Material Safety Data Sheets for the two engine lubricants being researched

# Appendix A

## List of Acronyms

ACEA – European Automobile Manufacturers Association

E7 – An engine lubricant which meets the ACEA E7 engine lubricant specification

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