

GREEN POWER
Feeds Your Engine



2nd VegOil

Demonstration of 2nd Generation Vegetable Oil Fuels in Advanced Engines

**Workpackage WP4
Engine Oil Development**

**Deliverable N° 4.1:
Engine Lubricant
Provision for Bench Marking**

Publishable summary

Version: 1.1

Hamburg, 3rd March 2009

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

Partner website : www.lubrizol.com

Project website : 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.





1 Publishable summary

Appropriate amounts of lubricant were sent to the test laboratories for them to conduct their Bench marking exercise. The following Table summarises both planned and completed deliveries of lubricant samples. All deliveries for the bench marking exercise have been completed. The planned deliveries show which samples will be sent for the field trials as a result of the bench testing.

TEST LOCATIONS:	Type of Testing	Tractor/Engine Types - Ti-	Lubricant Supply	Lube Samples
Germany	Field Trial	4 Tractors/ Stage 3 (1 for TFZ, other 3 converted to Stage 3B for France Austria and Poland) 2 tractors/Stage 3B - Summer '10. 2 Tractors/Stage 4 - Feb '11)	60l E7 sent to TFZ. Craig, send 60l E7 and 120l E9 to JDWM by end of March	Craig to send sample bottles and labels to *JDWM and TFZ
France	Field Trial	2 tractors/Stage 3A - March 2009 1 tractors/ Stage 3A (JDWM) - add retrofit DPF March 2010	Craig, 2 x 60l of E7 being sent in March. Need E9 by Feb '10	Craig to send sample bottles and labels by late March
Austria	Field Trial	4 tractors/Stage 3A - March 2009 1 tractor/Stage 3A (JDWM) - add retrofit DPF March 2010	2 x 60l E7 2 x 60l E9 Arrived mid-Feb. Craig, need E9 by Feb '10	Craig to send sample bottles and labels by late March
Poland	Field Trial	4 tractors - Stage 3A 1 tractor - Stage 3A (JDWM)	Craig, 240l of E7 being sent in March. Need E9 by Feb '10	Craig to send sample bottles and labels
TU-Kaiserslautern	Bench Testing (Stage 4 Development)		1 x 200l of E9 sent in Oct 09	
LVK - TU-Munich	Bench Testing (Stage 4 Development, hybrid simulation)		1 x 200l of E9 sent in Oct 09	Simon, follow up regarding oil samples
VWP	Bench Testing (engine conversion)		Sent 60l E7 & 20l E9 in Feb 09	



The following photograph shows, as an example, the oil drum (with attached despatch note) just before delivery to TU-Kaiserslautern where John Deere will do the bench marking tests.

