## KABEN ENGINEERING 3297 Mt. Diablo Blvd. Lafayette, CA 94549 510-612-0077

## SL+ PLUS Wear Test

Fuels Plus Inc. P.O. Box 950 Alamo, CA 94507 November 24, 2006

In June 2006 we were asked to test the subject product to determine if it reduced engine wear. The most appropriate test was to measure metal concentrations in used engine oil. We were allowed to use any automobile of our choice.

The automobile used in the test is a 2000 Mercedes-Benz model E320 4 door sedan with approximately 150,000 miles on the engine. The reasons we chose this vehicle are as follows:

- 1. very high quality automobile
- 2. high quality bearing metals
- 3. high mileage vehicle
- 4. regularly serviced
- 5. variety of driving conditions (mainly commute)

## The test procedure was as follows:

- 1. car serviced at 149,000 miles with oil & filter change
- 2. an oil sample was taken and stored at our office.
- 3. new filter was installed
- 4. 7 and ½ quarts of Castrol 10w30w motor oil added to crankcase
- 5. 16 ounces of SL+Plus were also added to crankcase
- 6. automobile returned to owner who drove it for approximately 3,500 miles & returned to shop for another regular service
- 7. the service was completed & a second sample of used motor oil was also taken

Both samples were given to Herguth Laboratories Inc. Vallejo, California for metals analysis. The first sample is identified Lab #U95707 and the second sample is identified as Lab#U95706. Both lab reports are attached.

The following table presents the results:

	Pretest Oil	Oil with Additive	% change
Sample	#U95707	#U95706	Bearing wear
Iron	(ppm) 19	(ppm) 9	(%) -52
Aluminum	3	1	-66
Copper	9	5	-44
Lead	6	2	-66
Chromium	1	<1	

Thank you very much for giving us the opportunity to test your product. If you have any questions, please call.

Sincerely,

Kaarlo Poikonen

Kaben Engineering, President

Attachments:

Lab reports #U95706, #U95707



101 Corporate Place, Vallejo, CA 94590





Lab Number: U95707

ID: MERCEDEZ2 - Mercedez 2 Gas Engine

Unit Type: Mercedes Engine, Gasoline (MB\_GL001)

Oil Type: No Grade (GN\_001) P.O.: CASH

Sampled: 11/08/06 Shipped: 11/08/06 Received: 11/10/06

MONITOR: Data for machine and/or fluid condition should be noted and monitored.

Resample at your regular sampling interval.

Lafeyette, CA 94549

Kaarlo Poikonen Kaben Engineering, PE 3297 Mt. Diablo Blvd.

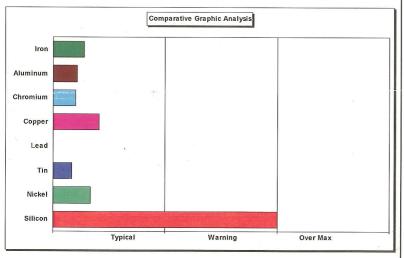
ISO 9001:2000 Certified

\* = exceeds Caution limit \*\* = exceeds Alarm limit

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Lab Number	Minimum	Maximum	U95707
Sample Date			11/08/06
Unit Time			0
Oil Time			0
Metals			
Iron ppm		87	19.
Aluminum ppm		18	3
Chromium ppm		7	1
Copper ppm		29	9
Lead ppm		4028	6
Tin ppm		8	1
Nickel ppm	4	4	1
Silver ppm	- v	3.1	<0.4
Silicon ppm		20	*20
Antimony ppm	×		<15
Sodium ppm			18
Boron ppm			8
Zinc ppm			798
Phosphorus ppm			648
Calcium ppm			2147
Magnesium ppm			13
Barium ppm			<1
Molybdenum ppm			11
Potassium ppm			13
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Evaluated By: Dennis E. Kelley, QAM - For questions about this report, please call 888-437-4884.

Code :KABEKP Kaben Engineering, PE

Phone:(510) 612-0077 Fax:

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People and Data You Can Count On!

101 Corporate Place, Vallejo, CA 94590





Lab Number: U95706

ID: MERCEDEZ1 - Mercedez 1 Gas Engine

Unit Type: Mercedes Engine, Gasoline (MB\_GL001)

Oil Type: No Grade (GN\_001) P.O.: CASH

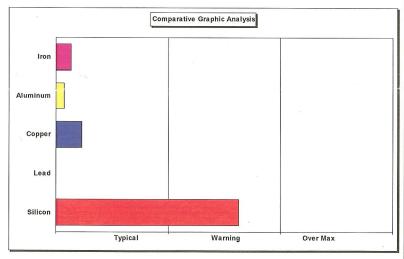
Sampled: 11/08/06 Shipped: 11/08/06 Received: 11/10/06 Printed: 11/13/06

MONITOR: Data for machine and/or fluid condition should be noted and monitored.

Resample at your regular sampling interval.

Kaarlo Poikonen Kaben Engineering, PE 3297 Mt. Diablo Blvd.

Lafeyette, CA 94549



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