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# Certificate of Analysis

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Lab No. 602013 (ALTEBO)
Report Date: February 2, 2007

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Sample Description:
Motor silk (additive test)

Dear Bill:

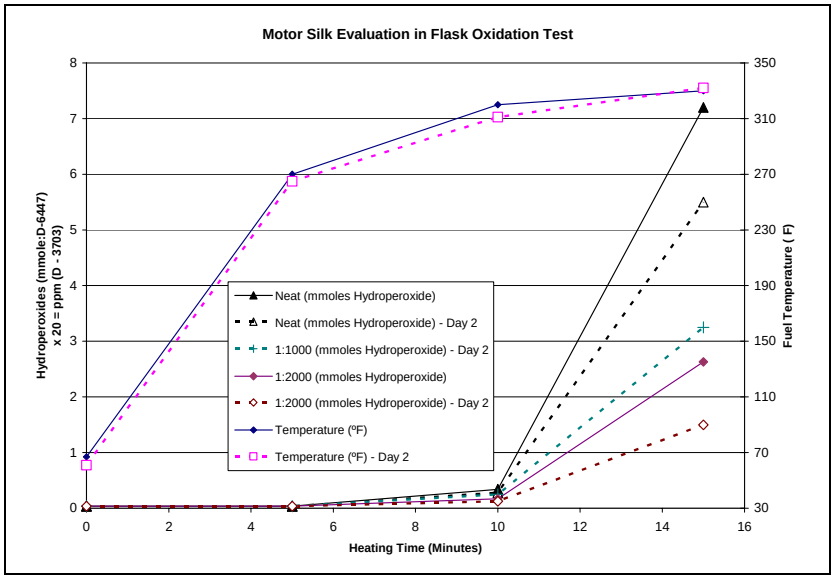
Thank you for your confidence in Herguth Laboratories, Inc. Please accept this report and attachments as our conclusion to the above numbered project/sample descriptions.

As the attached graph shows increasing the additive concentration to 1:1000 from 1:2000 did not have much effect on the hydroperoxide production of the fuel heated longer than 10 minutes. The lab was about 5 - 10 F cooler for the 2nd run (affects fuel films refluxing on sides of flask) so we reran neat and 1:1000 fuels and rechecked temperature during fuel sampling for direct comparison (Day 2/ 2nd Run) due to expected scatter in my test results.

The enclosed data indicates that the Motor Silk additive has some hydroperoxide inhibition capability (acts as a hydroperoxide decomposer instead of blocking production) but is unable to completely stop the accelerated oxidation of the ULSD fuel at elevated temperatures.

Approximate level of hydroperoxides from Graph #1 show Motor Silk reduces the generation of hydroperoxides in heated diesel fuel by ~ 68% for the 1:2000 mix and ~50% for the 1:1000 mix.

| | | |
|---|---|---|
| Neat Fuel 1st Run = 1440 | 1:2000 1st Run Motor Silk = 520 | 1:1000 1st Run Motor Silk = 640 |
| Neat Fuel 2nd Run = 1100 | 1:2000 2nd Run Motor Silk = 300 | Not Run |
| Average Neat = 1270 | 1:2000 Average = 410 | 1:1000 Average = 640 |




Graph #1

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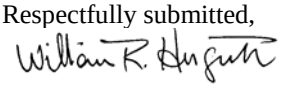
Respectfully submitted,



William R. Herguth
STLE - CLS, OMA-II