Scientific Writing High-Oleic Oil Essay

Research current articles/videos on high oleic oil, evaluate the validity of the source, summarize the paper, using quotes and properly citing in one page, double-spaced, MLA format. The evaluation of source will be typed on separate page.

Write a five-paragraph essay in MLA formatting, approximately 500 words in length, summarizing three or more articles. Include at least one academic paper. Provide in-text citations and a Works Cited page. This essay should have an opening and closing paragraph and supporting paragraphs. The opening paragraph should state the points you will make about the articles. The supporting paragraphs will make those points. The closing paragraph will summarize the points that were made.

You may find the following sites helpful:

MLA Style: Citing Articles: http://courses.semo.edu/library/infolit/mlastyle_articles.htm

MLA Works Cited Electronic Sources: https://owl.english.purdue.edu/owl/resource/747/08/

Easy Bib: http://www.easybib.com/reference/guide/mla/magazine

MLA In-Text Citations: https://owl.english.purdue.edu/owl/resource/747/11/

(See below for further guidance.)

Ohio Standards to consider when writing:

Grades 11-12

Key Ideas and Details

RST.11-12.1	Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.
RST.11-12.2	Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.

Craft and Structure

RST.11-12.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to *grades 11–12 texts and topics*.
RST.11-12.5	Analyze how the text structures information or ideas into categories or hierarchies, demonstrating understanding of the information or ideas.
RST.11-12.6	Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, identifying important issues that remain unresolved.

Integration of Knowledge and Ideas

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RST.11-12.7	Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.
RST.11-12.8	Evaluate the hypotheses, data, analysis, and conclusions in a science or technical text, verifying the data when possible and corroborating or challenging conclusions with other sources of information.
RST.11-12.9	Synthesize information from a range of sources (e.g., texts, experiments, simulations) into a coherent understanding of a process, phenomenon, or concept, resolving conflicting information when possible.

Range of Reading and Level of Text Complexity

RST.11-12.10	By the end of grade 12, read and comprehend science/technical texts in the grades 11–CCR text complexity band independently and proficiently.

List of potential sources:

Oxidative Stability of Conventional and High-Oleic Vegetable Oils with Added Antioxidants

http://link.springer.com/article/10.1007/s11746-008-1256-4

Epoxidized soybean oil as a potential source of high-temperature lubricants

http://www.sciencedirect.com/science/article/pii/S0926669001001200

Oxidative stability measurement of high-stability oils by pressure differential scanning calorimeter (PDSC).

http://www.ncbi.nlm.nih.gov/pubmed/16190611

Soy in the Diet

http://www.soyfoods.org/nutrition-health/soy-in-the-diet

Importance of Oil Oxidation Stability

http://www.machinerylubrication.com/Read/28966/oil-oxidation-stability

Controlling Degradation in Biodegradable Greases

http://www.machinerylubrication.com/Read/28717/biodegradable-greases-degradation