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CENTRAL PETROLEUM COMPANY  
Cleveland, OH      Walcott, IA

# CENTRAL NEWS<sup>®</sup>

Issue 833

## HAPPY THANKSGIVING

Paul T. Webster III

The prestigious "100 Year Club of the Western Reserve" Historical Society which represents all of North Eastern Ohio has sent us an invitation. The Central Petroleum Company along with nine other companies including Eaton Manufacturing and Goodrich (formally B F Goodrich) are being honored at this year's awards banquet. It seems fitting that their invitation features a picture of John D. Rockefeller since it was the 1911 breakup of Rockefeller's oil monopoly, Standard Oil, that enabled Central Petroleum to form and thrive.

As I prepare to receive this award for the company, I am humbled as I recognize the efforts from so many dedicated people over the last 100 years. Central, both past and present, has been graced by its people's strong ethic of hard work, honesty and integrity. Central has also been blessed to be one of the few American companies that has always manufactured American made products and has always helped America's agricultural industry feed the world.

I am proud to receive this longevity award for all of our efforts. As we sit down for this year's Thanksgiving dinner, we all can be proud of our company's long term commitment to excellence and the fact that many of our customers helped raise and grow the food that graces both our tables and our fellow countrymen's tables this Thanksgiving Holiday.

# Shear Stability Comparison

By Blaine Ballentine

Shell has a brochure<sup>1</sup> that shows the shear stability of their Rotella T3 15W-40 relative to five of their competitors. Let's see how Cen-Pe-Co Extreme Duty compares.

Shell used a 90 Pass Shear Stability Test in making the comparison. They did not state the ASTM procedure, but indicated it was an "industry standard test." Although there are different procedures, we will assume the results are similar to the industry standard ASTM D7109, often referred to as the Orbahn test, which we used in further testing.

In the test, the beginning oil viscosity at 100° C. is checked<sup>2</sup>. Then the oil is run through a diesel injector nozzle 90 passes to create shear stress. Viscosity is tested again at 100° C. The shearing action causes polymer molecules to break down, resulting in lower viscosity. The loss of viscosity is expressed as percentage.

We have added six oils to Shell's list--Brad Penn HD Premium Plus, Case IH Akcela #1, John Deere Plus 50 II,

Shell Rotella Triple Protection, Schaffer 7000 Synthetic Plus, and Cen-Pe-Co Extreme Duty.

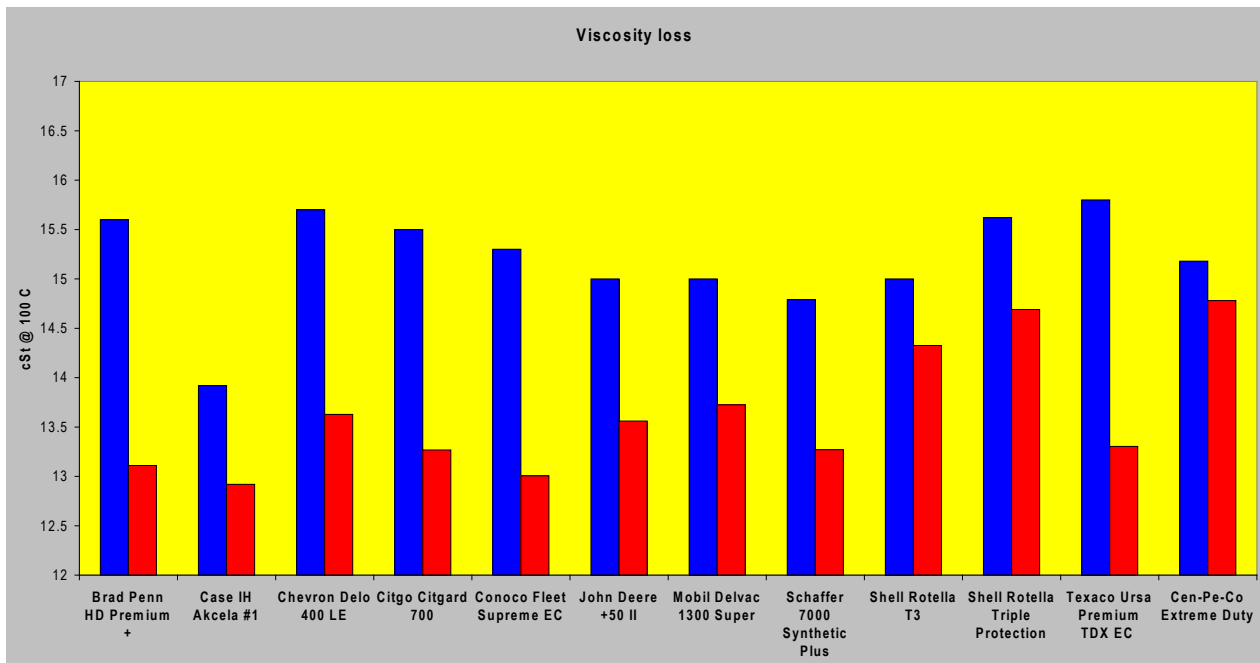
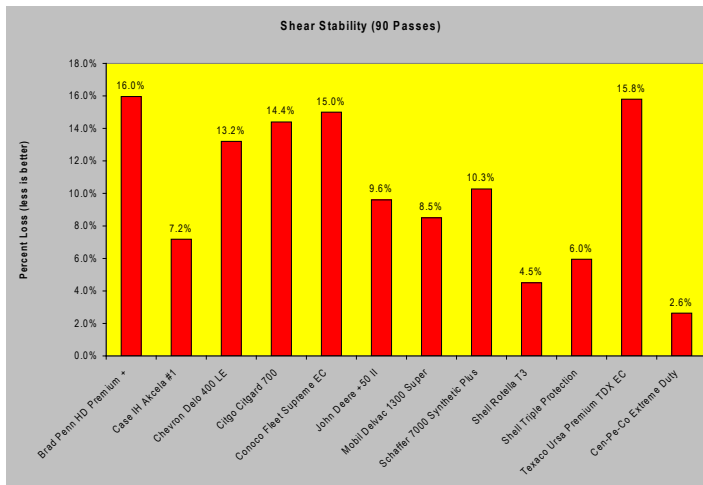
Our competitors in this group had 90 pass shear losses ranging from 4.5% to 16.0%. Their average shear loss was 10.9%. Cen-Pe-Co Extreme Duty's shear loss is only 2.6%, only one-fourth of the group's average.

Notice there are no off-brands in the group. They are all considered premium quality, national or international brands.

The question about shear stability tests often arises, "How many miles in an engine would that be?" Although the tendency to shear in the test correlates directly with the tendency to shear in an engine, it cannot be related to miles. Each engine produces its own level of shear stress. Those with more cam gear teeth, for example, shear the oil more than those with fewer cam gear teeth. Even the same engine at higher RPM will produce more shear stress than at lower RPM. However, it can be observed that the majority of the shear loss occurs early in the drain interval. Because of the variation in shear stress between engines, the industry uses injector shear tests for comparison.

What does all this mean? Cen-Pe-Co's viscosity does not break down like other oils, maintaining an oil film that reduces wear.

1. [http://www-static.shell.com/static/can-en/downloads/products\\_services/lubricants/rotella/rotella\\_t3.pdf](http://www-static.shell.com/static/can-en/downloads/products_services/lubricants/rotella/rotella_t3.pdf)  
 2. The initial viscosities of the oils tested by Shell were taken from the manufacturers' product sheets.



# Gas-O-Klenz Outperforms

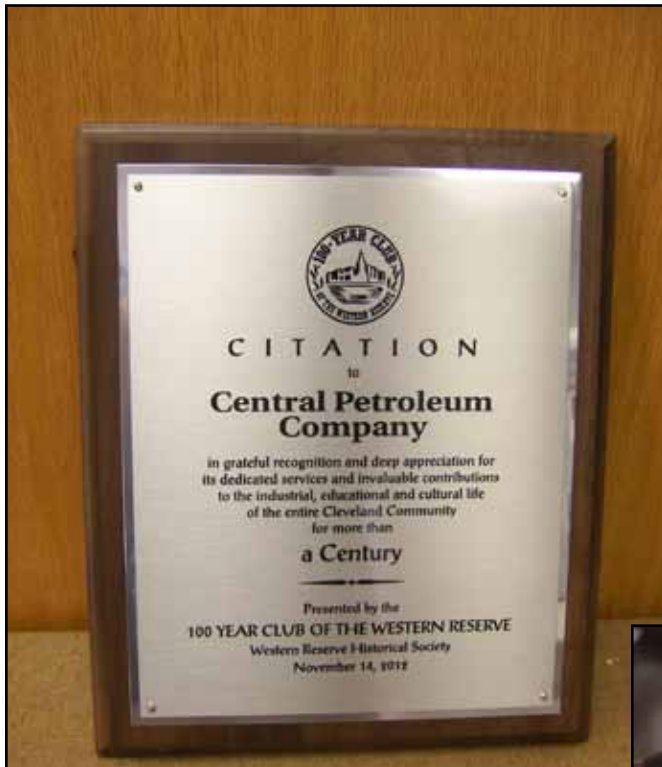


Ed Jacobs, NY, made these samples using 10% ethanol gasoline in November 2011. He treated samples with each of the additives shown as called for on their labels, filled to the line on the bottles, loosened the caps, and set them on a windowsill until taking this picture on October 12, 2012. The bottle in the center contains the base fuel with no additive. Please note that the fuel treated with Cen-Pe-Co Gas-O-Klenz experienced considerably less evaporation, displays very little discoloration, and the nail shows no rust at all. The other additives made little difference.





*New York State Sales Representatives who attended a recent State Meeting, take a break to pose with Mr. Paul Webster, President/CEO of Central Petroleum Company (from L to R; Frank Burket, John “Jack” Burns, Ed Jacobs, Tom Burns, Andy Batty, Herb Cox, Erich Haesche, David Johannessen, and Paul Webster.*



*Paul Webster President/CEO (shown below) of Central Petroleum Company accepts a plaque (shown left) from the 100 Year Club of The Western Reserve.*

*The One Hundred Year Club originated in 1953 as an organization dedicated to recognizing “...commerce and industrial concerns which had been in business for 100 or more years” as well as various charitable, cultural and educational institutions in Greater Cleveland that had also existed for over a century.*

